



Cinergy Services, Inc.
139 East Fourth Street, Rm 25 AT 11
P.O. Box 960
Cincinnati, OH 45201-0960
tel 513.287.3842
fax 513.287.2996
aschafer@cinergy.com

Anita M. Schafer
Paralegal

RECEIVED

DEC 23 2003

PUBLIC SERVICE
COMMISSION

VIA OVERNIGHT MAIL

December 19, 2003

Thomas Dorman
Executive Director,
Kentucky Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, Kentucky 40602-0615

RECEIVED

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PUBLIC SERVICE
COMMISSION

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DEC 23 2003

PUBLIC SERVICE
COMMISSION

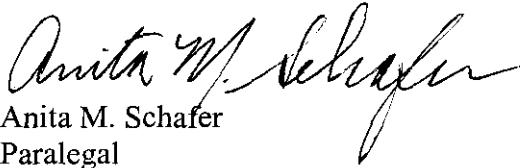
Re: Case No. 2003-00103
ULH&P Fourth Quarter 2003 Update Filing

Dear Mr. Dorman:

Enclosed please find an original and 10 copies of ULH&P's Notice of Filing of Fourth Quarter 2003 Update of Rider AMRP Report. Please file-stamp and return the three extra copies to me in the overnight envelope provided.

Also enclosed are an original and three sets of the Union Light, Heat and Power Company's Fourth Quarter 2003 filing.

Sincerely,


Anita M. Schafer
Paralegal

AMS/mak

Enclosures

cc: Elizabeth Blackford, Esq.

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED
DEC 23 2003
PUBLIC SERVICE
COMMISSION

In the Matter of:

**AN ADJUSTMENT OF RIDER
AMRP OF THE UNION LIGHT,
HEAT AND POWER COMPANY**

)
)
)

CASE NO. 2003-103

* * * * *
**THE UNION LIGHT, HEAT AND POWER COMPANY'S
NOTICE OF FILING
OF FOURTH QUARTER 2003 UPDATE
OF RIDER AMRP REPORT**

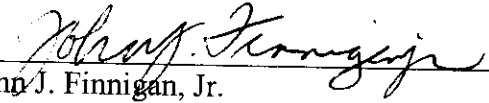
Pursuant to the Commission's Order dated January 31, 2002 in *In the Matter of An Adjustment of the Gas Rates of the Union Light, Heat and Power Company*, Case No. 2001-092, The Union Light, Heat and Power Company (ULH&P) respectfully states as follows:

1. In Appendix G of the above-referenced Order, the Commission established certain reporting requirements for the Company's Rider AMRP.
2. ULH&P hereby gives notice of filing of the Fourth Quarter 2003 Update of Rider AMRP Report, as required by the Order. The filing is submitted herewith and provides updated information on Appendix G, items 1 through 6.

WHEREFORE, The Union Light, Heat and Power Company respectfully submits the updated Rider AMRP information contained herein.

Respectfully submitted,

THE UNION LIGHT, HEAT AND POWER
COMPANY



John J. Finnigan, Jr.

Senior Counsel

Regulated Businesses

P. O. Box 960

139 East Fourth Street, Room 25 ATII

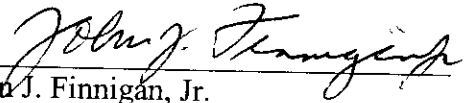
Cincinnati, Ohio 45201-0960

Phone: (513) 287-3601

CERTIFICATE OF SERVICE

This is to certify that a copy of the foregoing pleading has been served by mailing
a copy by overnight mail, postage prepaid, or via hand delivery to the following parties
on this 22nd day of December, 2003.

Hon. Elizabeth E. Blackford
Hon. David E. Spenard
Office of Attorney General
Utility Intervention and Rate Division
1024 Capital Center Drive
Frankfort, Kentucky 40601



John J. Finnigan, Jr.

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of an Adjustment of)	
Rider AMRP of the Union Light, Heat)	Case No. 2003-00103
and Power Company)	

FOURTH QUARTER 2003 UPDATE FILING

ULH&P Case No. 2003-00103
Order Dated 1/31/02 (Case No. 2001-092)
Table of Contents
Fourth Quarter 2003 Filing

<u>Tab</u>	<u>Description</u>
1	List of the names and address of the contractors utilized for AMRP projects.
2	A copy of the bid document signed with each contractor, showing a description and scope of the work, construction specifications, and construction management. Confidential information is submitted separately.
3	Construction schedule for each job.
4	Reasonable size maps for each location – see listing of AMRP Projects to date and accompanying 11” x 17” maps for each location and module and full-size maps of work areas.
5	A 3-month progress report showing the manner of replacing the pipes, progress and percentage of job finished, pressure testing, and accompanying pictures on CD-ROM.
6	Copies of updated welding certification for each welder kept on site for inspection by the Commission’s investigator.

Contractor Information

Contractor Phone List

Company Name	Names	Cell &/or Nextel #	24/7 #	Office	Fax	Address	City	State	Zip
Arns Construction	KIM	276-0327 / 45825*1	Primary- Kim Stephenson	794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio	45242
Arns Construction	SKJ	SKJ	Secondary- John Weber	794-4433	794-4435	8917 Blue Ash Rd.	Cincinnati	Ohio	45244
Arns Construction (SKJ)	JOHN	276-0328 / 45825*2 / HM. 513-734-2626	Third- Dale Franklin	794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio	45242
Arns Construction	BRAD	276-0342 / 45825*16	Fourth- Brad Maybury	794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio	45242
Arns Construction	DALE	276-0329 / 45825*3 / HM. 937-795-0014		794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio	45242
Arns Construction	ED	276-0351 / 45825*25		794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio	45242
Arby Const.	MIKE	630-816-5275 / 111*37834	513-464-3417 41617*3	513-422-3750	513-422-5069	19705 West Lincoln Ave.	Middletown	Ohio	45044
Arby Const.	LENTZ	414-406-4987		262-549-1919 ext 139					
Arby Const.	WICKMAN	513-464-3417 / 41617*1	513-464-3417 41617*1	513-422-3750	513-422-5069	19705 West Lincoln Ave.	Middletown	Ohio	45044
Arby Const.	SCHUELLER	513-464-3832 / 41617*2	513-464-3417 41617*2	513-422-3750	513-422-5069	19705 West Lincoln Ave.	Middletown	Ohio	45044
Brewer Company	CARL	1-646-3833	513-314-6188	576-6300	513-576-1414	1354 US highway 50	Milford	Ohio	45150
Brewer Company	SAL	513-218-1293							
Brewer Company	RICK	513-314-6188	513-314-6188		513-576-1414	1354 US highway 50	Milford	Ohio	45150
Brewer Company	KEN	1-490-9070	937-446-1911	937-446-1911	513-576-1414	1354 US highway 50	Milford	Ohio	45150
Brewer Company	KEVIN	513-317-6490			513-576-1414	1354 US highway 50	Milford	Ohio	45150
Brewer Company	BOB	513-645-3876							
Byrnes-Conway	BOB	617-2110 / 35066*6		948-8882	513-948-0161	21 Byrneslake ct.	Cincinnati	Ohio	45216-1605
Byrnes-Conway	SCOTT	623-4258							
Byrnes-Conway	MARTY	513-383-7782 / 35066*11	513-383-7782		513-948-0161	21 Byrneslake ct.	Cincinnati	Ohio	45216-1605
Byrnes-Conway	LEO	617-2117 / 35066*12	513-860-5001		513-948-0161	21 Byrneslake ct.	Cincinnati	Ohio	45216-1605
Byrnes-Conway	RICK	383-2351 / 35066*18			513-948-0161	21 Byrneslake ct.	Cincinnati	Ohio	45216-1605
Byrnes-Conway	WILLIE	617-2112 / 35066*10			513-948-0161	21 Byrneslake ct.	Cincinnati	Ohio	45216-1605
John Construction	Stenger	623-1937							
** Sub for Byrnes **	DAVE	513-617-3288							

Contractor Phone List

Company Name	Names	Cell &/or Nextel #	24/7 #	Office	Fax	Address	City	State	Zip
CJ Hughes	Danny	513-623-9729 / 100*13206							
CJ Hughes	Terry	513-623-9731 / 100*13323							
CJ Hughes	Jim	513-623-9743 / 100*26663							
CJ Hughes	DAVID	513-623-9741 / 100*10513	513-477-3967	1-304-633-7412 / 513-623-9741	304-522-2729	PO Box 7305	Huntington	West Virginia	25776
CJ Hughes	JIM		513-477-3967	1-304-634-3950	304-522-2729	PO Box 7305	Huntington	West Virginia	25776
CJ Hughes	TRACY	614-554-8468	513-477-3967		304-522-2729	PO Box 7305	Huntington	West Virginia	25776
CJ Hughes	FRED	513-477-3967 / 237*13213	513-477-3967		513-469-8989	PO Box 7305	Huntington	West Virginia	25776
CJ Hughes	MATERIAL YARD		513-477-3967	272-1732	304-522-2729	4169 B Round Bottom rd.	Cincinnati	Ohio	45244
CJ Hughes	OFFICE		513-477-3967	1-304-522-3868	304-522-2729	PO Box 7305	Huntington	West Virginia	25776
CJ Hughes	OFFICE		513-477-3967		304-522-3868	PO Box 7305	Huntington	West Virginia	25776
Great Western	SEBESTA DAN		610-972-7072	610-404-7850	610-404-7571	644 West Baumstown Rd.	Birdsboro	Pennsylvania	19508
Great Western	KEITH	513-200-6190 136*44*31860	513-200-6190 136*44*31860						
Great Western	RIK	513-200-6190 136*44*31860	513-200-6190	513-353-2031	513-353-2036	5704 State R128 Local Address	Cleves	Ohio	45002
Great Western	Bryan	513-383-9053 136*44*31861							
Great Western	Nick	513-383-6184 136*44*32005							
Henkels & McCoy	MAXWELL MARK	614-296-5632	513-200-0406	740-927-1737	Pataskala, OH				
Henkels & McCoy	KRAINJEC MIKE	267-738-9853	215-283-7824	630-627-0716 x232	215-283-7839	985 Jolly Rd.	Blue Bell	Pennsylvania	19422
Henkels & McCoy	Faile Dean	815-482-5463	513-200-0406	630-627-0716	630-240-5843	Addison			
Henkels & McCoy	Meredit Jeff	614-308-1244	513-200-0406	419-589-9596	419-589-6688	Mansfield			
Henkels & McCoy	Kirkbride Darrin	614-296-5622	513-200-0406		740-927-9632	Cincinnati			
Henkels & McCoy	Postelwait Randy	614-579-1618	513-200-0406			Cincinnati			
Henkels & McCoy	PATASKALA		513-200-0406	800-548-9240	740-927-9632	Pataskala			
Henkels & McCoy	ADDISON		513-200-0406	630-627-0716	630-240-5843	Addison			
Henkels & McCoy	Eversole Rod	614-563-4482/36*35041*3	513-200-0406	740-927-1737	740-927-9632	Pataskala			
Henkels & McCoy	Mills Jim	630-248-7117/36*35041*4	513-200-0406	630-627-0716	630-240-5843	Addison			
Henkels & McCoy	Maxwell Mark	614-296-5632	513-200-0406	740-927-1737	740-927-9632	Pataskala			
Henkels & McCoy	Shiverdecker Terry	614-579-9050	513-200-0406	740-927-1737	740-927-9632	Pataskala			
Henkels & McCoy	Clem Bob	614-296-5290	513-200-0406	740-927-1737	740-927-9632	Pataskala			
Henkels & McCoy	ELKHART		513-200-0406	800-345-7820	219-264-1137	Mansfield			
Henkels & McCoy	Reg. Manager Pataskala	Clem, Bob	513-200-0406	614-296-5290	740-927-1737	740-927-9632			937-592-5268
Henkels & McCoy	Division Office ELKHART		513-200-0406		800-345-7820	219-264-1137			

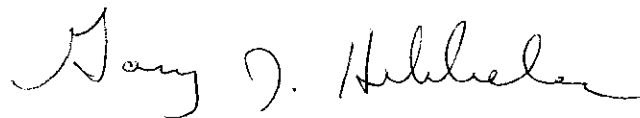
Contractor Phone List

Company Name	Names	Call &/or Nextel #	247 #	Office	Fax	Address	City	State	Zip
Infrasource	STEVE	PARNICKY		734-417-4807	734-434-2001	4033 E. Morgan Rd.	Upsilanti	Michigan	48197
Infrasource	NATE	O'NEAL		734-646-8503	734-434-2001	4033 E. Morgan Rd.	Upsilanti	Michigan	48197
Infrasource	LORI	LORI (INVOICES)		440-967-7211	734-434-2001	4033 E. Morgan Rd.	Upsilanti	Michigan	48197
Infrasource	RUSS	DOERSCH	1-734-434-2000	1-734-417-4800	734-434-2001	4033 E. Morgan Rd.	Upsilanti	Michigan	48197
Infrasource	KIRK	STANLEY	734-417-4822	734-434-2000	734-434-2001	4033 E. Morgan Rd.	Upsilanti	Michigan	48197
Michels Const	JEFF	HALL	513-531-5999	513-531-5999	513-531-6071	2290 Seymore Ave 45212 (1 blk. e/o Cinti. Gardens)	Cincinnati	Ohio	45212
Midwest	Bill	Moore	513-367-4567	44965*6	513-367-5207	6040 Kilby Rd	Harrison	Ohio	45030
Miller Pipeline	SCOTT	MILLER	513-679-2362	614-777-8377	513-679-2363	4990 Scioto Darby Road	Hilliard	Ohio	43026
Miller Pipeline	STEVE	FERRELL	513-679-2362	1-614-777-8377	513-679-2363	4990 Scioto Darby Road	Hilliard	Ohio	43026
Miller Pipeline	JACK	SPURIER		1-614-270-6048 / 513-200-4775 / 679-2362	513-679-2363	4990 Scioto Darby Road	Hilliard	Ohio	43026
Miller Pipeline	PORK								
Miller Pipeline	OBV	TISDALE		513-616-4797	513-679-2363	4990 Scioto Darby Road	Hilliard	Ohio	43026
Miller Pipeline	OFFICE	OFFICE		614-348-1198	513-679-2363	4990 Scioto Darby Road	Hilliard	Ohio	43026
Miller Pipeline	Dyson	Becky (invoices)		1-317-293-0278 (ext. 197)					
Miller Pipeline	KEVIN	MILLER		1-800-428-3742					
Sub Surface	Craig	Hole		1-614-777-8377					
ULC	OFFICE	OFFICE	513-943-7999	616-784-1313 ext. 108	513-943-1000	1118 Ferns Road, Suite "A"	Amelia,	Ohio	45102

Attached is a list of the Blanket contracts that are reserved for contractors that are performing gas distribution work. Blanket contracts are used for non-Module jobs such as CIMOS, BSMOS, street improvements and road resurfacing. CIMOS and BSMOS jobs are specific projects that are completed because of the leak history associated with a segment of cast iron or bare steel. In addition, Blanket contracts are used to replace cast iron and bare steel as a result of a street improvement or road resurfacing projects. These cast iron and bare steel replacements are included in the AMRP. The Terms and Conditions are issued with the Blanket Contract (attached is an example of the Terms and Conditions). The signed bid is considered the contract. A limited number of these jobs are completed on a time and material basis to meet the needs of the community. These cast iron and bare steel mains are replaced because we are continually monitoring our system for those segments that are in need of replacement.

A sample copy of a bid and daily worksheets were submitted with the first quarter 2002 filing.

Some jobs are completed in the field by company crews and are managed by the appropriate district. Time sheets are approved by the field supervisor as well as the final paper work.

A handwritten signature in black ink, reading "Gary J. Hibel". The signature is written in a cursive style with a large, stylized "G" and "H".

Blanket Contracts

Blanket Contracts

Contract ID	Full Contract Title Display	Vendor Code	Contract Status Date	Contract Execution Date	End Date	Contract Invoiced Amount (1)	Approved Contract Amount (2)	Insurance Date	Contract Price Method	Contract Type
86700	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	Brewer	6/23/2003	12/2/1999	1/1/2004	\$ 10,524,428	\$ 10,700,000	12/1/04	NTX	BLANKET
88963	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	Byrnes Conway	6/23/2003	12/22/1999	1/1/2004	\$ 6,595,245	\$ 7,028,338	4/1/04	NTX	BLANKET
89885	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	AMS Construction	6/23/2003	1/4/2000	1/1/2004	\$ 9,687,376	\$ 9,800,000	6/14/04	NTX	BLANKET
165512	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	Utilities Lines Construction Services, Inc.	6/23/2003	12/13/2001	1/1/2004	\$ 2,056,563	\$ 2,250,000	8/1/04	NTX	BLANKET
166467	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	Sub-Surface Construction	6/23/2003	12/26/2001	1/1/2004	\$ 374,168	\$ 750,000	1/1/03	NTX	BLANKET
166474	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	INFRASTRUCTURE UNDERGROUND CONSTRUCTION	6/23/2003	12/26/2001	1/1/2004	\$ 1,250,909	\$ 1,500,000	1/1/04	NTX	BLANKET
166480	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	Miller Pipeline Corp.	6/23/2003	12/26/2001	1/1/2004	\$ 3,019,951	\$ 3,250,000	4/1/04	NTX	BLANKET
125412	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	C J HUGHES CONST CO INC	6/23/2003	12/1/2000	1/1/2004	\$ 1,738,086	\$ 1,900,000	10/1/04	NTX	BLANKET
199025	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	MICHELS CORPORATION	6/23/2003	12/19/2002	1/1/2004	\$ 927,910	\$ 1,200,000	2/1/04	NTX	BLANKET
214682	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	GREAT WESTERN SERVICES INC	6/23/2003	6/12/2003	12/31/2003	\$ 163,313	\$ 250,000	11/1/04	NTX	BLANKET
221494	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	Midwest Energy Services	9/4/2003	9/4/2003	12/31/2003	\$464,211.35	\$ 650,000	3/1/04	NTX	BLANKET
222362	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	Henkels & McCoy	9/15/2003	9/15/2003	12/31/2003	\$140,042.35	\$ 250,000	10/1/04	NTX	BLANKET
222367	BLANKET CONTRACT FOR VARIOUS WORK FOR GAS DEPARTMENT	Arby Construction	9/15/2003	9/15/2003	12/31/2003	\$ -	\$ 250,000	8/1/05	NTX	BLANKET

Notes:

- 1) Cumulative amount charged to contract since Contract Execution Date.
- 2) Cumulative amount approved to contract since Contract Execution Date.

Terms and Conditions

Sample

Mr. Donald Schrantz

Sourcing Specialist

FaxNo: 513-287-4233

Request No: G-0000

Request Date: 3/25/2003

Date Bid Due: 4/1/2003

Bids are to be returned by 2:00 p.m. on date bids are due.

Please secure bids for the attached Gas Project(s)

All facilities must be installed in accordance with The Cincinnati Gas & Electric Company's Gas Operation's Specification GD-150 composite, CFR part 192, the Cincinnati Gas & Electric Company's Standard Terms and Conditions Construction of Gas Facilities, and all applicable specifications.

Note: if your current insurance coverage is not up-to-date with our requirements, please submit your certificate of insurance with your bid.

Any contractor performing pipeline construction for Cinergy must submit a copy of their Drug and Alcohol Testing Program in accordance with 49A C.F.R. Parts 199 and 40 to:

Drug and Alcohol Testing Administrator
Gas Operations Department
139 E. Fourth Street Rm. 460-A
Cincinnati, OH 45202

All excavation work must be done in compliance with OSHA Construction Standards for Excavations, Subpart P.

The contractor will pick up all pipe, cable and other material at the beginning of the job and return all excess material upon completion of work to the purchaser headquarters, storage yard, and/or warehouse as a bid item as directed. The expense of incidental hauling of material will be included with the rest of the bid package and not paid as an item.

Please obtain a quotation from the firms listed below:

Jobno	Jobname	Eng
00-0000-0		

Contractor	Address
	... Phone Fax

. **Construction Management**

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Construction Management

NAME	Truck #	Cellular #	Direct Connect #	Office #	Home # *Unlisted	District	Supervisor
Cargile, Bill	N/A	513-678-6095	136*24018*84	287-2325	*245-2550	Coordinator	Westenberg
Fish, Mike	3073	513-678-6096	136*24018*85	287-3290	812-623-3891	Supervisor	Westenberg
Goyette, Carl	3350	513-678-6097	136*24018*86	287-5206	541-2836	Paving Sup.	Westenberg
Maschmeyer, Mike	3896	513-678-6098	136*24018*87 / pager-513-219-0353	287-3335	859-283-0733	Supervisor	Westenberg
McGlone, Gary	1390	513-678-6099	136*24018*88	287-2519	859-342-6409	Supervisor	Westenberg
Parker, Jim		859-743-6279	136*662186*1		859-441-4315	Dana	Westenberg
Prebble, Mark	1211	513-678-6100	136*24018*89	287-3436	553-9773	Supervisor	Westenberg
Sizemore, Don	1834	513-678-6101	136*24018*90 / pager-333-8545	287-2988	513-422-1073	North	Westenberg
Westenberg, Dennis	1203	513-678-6102	136*24018*91	287-2588	812-537-5479	Superintendent	Morgan
Adkins, Kevin		513-678-6103	136*24018*92				Goyette
Backscheider, Barry	1844	513-678-6104	136*24018*93	287-3290	922-0290	Monfort	Fish
Blauvelt, Frank		266-7019	136*24018*128	287-5248			Goyette
Blum, Mike	2642	513-678-6106	136*24018*95	287-3290	*513-661-5106	West	Fish
Boles, Dave		513-678-8363	136*24018*132				Sizemore
Bowling, Bob	1847	513-678-6105	136*24018*94				Sizemore
Collins, Larry		513-678-6107	136*24018*96				Goyette
Doyle, Dan	2647	513-678-6108	136*24018*97	287-3436	513-922-9628	West	Prebble
Essert, Earl	2641	513-678-6109	136*24018*98	287-3290	513-451-5976	West	Fish
Fry, Dan	3825	513-678-6110	136*24018*99	287-3335	859-654-3435	East	McGlone
Goff, Don	2645	513-678-6111	136*24018*100	287-3290	513-598-5852	East	Fish
Hall, Kevin	1073	513-678-6112	136*24018*101	287-3335	859-586-5844	Florence	Maschmeyer
James, Greg	2646	513-678-6113	136*24018*102	287-3436	937-444-9545	East	Prebble
Johnson, Fred		513-678-6114	136*24018*103				Goyette
Jones, Kenny	2643	513-678-6115	136*24018*104	287-3290	765-647-6445	West	Fish
Klei, Jeff	2672	513-678-6116	136*24018*105	287-3290	*513-385-6333	Dana	Fish
Kuhl, Mary		513-678-8308	136*24018*131				Prebble
Malone, Kevin	2673	513-678-6117	136*24018*106	287-3436	513-272-3296	Eastern	Prebble
Maynard, Wayne	2679	513-678-6118	136*24018*107	287-2988	513-922-6877	Eastern	McGlone
McAlpin, Mike	2640	513-678-6119	136*24018*108	287-3290	513-662-4625	West	Fish
Mericle, Cliff	2972	513-678-6120	136*24018*109	287-3631	812-926-0391	Florence	McGlone
Merkel, Diesel Bob		678-4433	136*24018*127	287-5248	756-1966		Goyette
Meyer, Tony	2675	513-678-6121	136*24018*110	287-2988	513-661-6476	Dana	Sizemore
Newkirk, Scott	2674	513-678-6122	136*24018*111	287-2988	937-787-3973	Todhunter	Sizemore
Phillips, Fred	2973	513-678-6124	136*24018*113	287-3335	859-291-6626	Florence	Maschmeyer
Reed, Mike	1770	513-678-6125	136*24018*114	287-2988	931-7296	Dana	Sizemore
Ruter, Dave	1853	513-678-6126	136*24018*115	287-3436	859-441-3459	Dana	Prebble
Sendelbach, Louis	2392	513-678-6127	136*24018*116	287-1428	859-635-7115	East	Maschmeyer
Sims, Jimmie	2678	513-678-6128	136*24018*117	287-3335	859-384-7467	Florence	Maschmeyer
Sizemore, Denny	2676	513-678-6129	136*24018*118	287-3335	859-426-5039	Florence	Maschmeyer

Construction Management

NAME	Truck #	Cellular #	Direct Connect #	Office #	Home # *Unlisted	District	Supervisor
Smyth, Bob	2347	513-678-6130	136*24018*119	287-3436	738-8703	West	Prebble
Snively, Chris	3824	513-678-6131	136*24018*120	287-2988	937-743-9519	Todhunter	Sizemore
Stratman, Tom	2393	513-678-6132	136*24018*121	287-1426	513-574-1818	West	Sizemore
Sweitzer, Tom	2644	513-678-6133	136*24018*122	287-3436	513-741-9914	East	Prebble
Tuttle, Ricky		513-678-6134	136*24018*123				Goyette
Veneman, Jerry	2677	513-678-6135	136*24018*124	287-3436	513-481-8101	Monfort	Prebble
Wagner, Mike	1804	513-678-6139	136*24018*125	287-3335	859-525-2580	Florence	McGlone
Waller, Rick	1892	513-678-6140	136*24018*126	287-3631	812-438-2234	Dana	McGlone
Walters, Tom		513-678-8298	136*24018*130				Prebble
Foreman, Frank	2971	543-4685	219-8483	287-3188	859-342-6898	House Bills	Shepard
Senior, Greg	2951	513-543-7157	page 219-0532	287-5290	513-753-8067	Safety	Dierker
Tonya Bourrage			639-9030	287-2638	FAX 287-2018		
Linda Mayernik			639-9029	287-5549	FAX 287-5434		
Chris Kloeker			639-9031	287-5424	FAX 287-5434		

Contractor Manpower

Contractor Manpower

12/18/2003	AVERAGE # CONTRACTOR PERSONNEL PER MONTH											
Contractor	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<u>Main Construction</u>												
<u>Gas Only</u>												
1 The Brewer Co.	33	33	72	73	91	91	83	84	84	84	84	84
2 Byrnes Conway Co.	65	57	57	57	70	80	76	85	85	85	85	85
3 AMS	70	70	80	80	95	103	101	83	83	83	83	83
4 C J Hughes	24	35	35	46	57	74	66	70	79	79	79	79
5 Miller Pipeline	74	80	85	100	125	126	125	135	135	135	135	135
6 Infracource	10	10	6	13	15	16	18	20	20	20	20	20
7. ULC (Asplundh Union)	24	15	10	0	0	0	0	0	0	0	0	0
8. Great Western	0	0	15	21	15	19	30	34	34	34	34	34
9. Michels	11	11	11	11	11	11	11	7	7	7	7	7
10. Arby's	0	0	8	9	9	9	9	9	9	9	9	9
11. Henkel and McCoy	0	0	0	16	16	16	18	17	17	17	17	17
12. Midwest							20	26	26	26	26	26
Subtotal	311	311	379	426	504	545	557	527	579	536	536	536
Carl Goyette												
<u>Paving</u>												
1 AMS - Concrete, Asphalt, Unit Cost	5	5	5	5	5	5	5	5	5	5	5	5
2 Dad's bobcat Service	4	4	4	4	4	4	4	4	4	4	4	4
3 Adleta	3	3	3	3	3	3	3	3	3	3	3	3
4 AMS - Grass	4	4	4	4	4	4	4	4	4	4	4	4
6 AMS - Concrete Asphalt / Fastrak	4	4	4	4	4	4	4	4	4	4	4	4
Company Welders	4	4	4	4	4	4	4	4	4	4	4	4
Subtotal	24	24	24	24	24	24	24	24	24	24	24	24
Grand Total	335	335	403	450	528	569	581	551	603	560	560	560

Construction Schedule For Module And Non-Module Jobs

Modules-- Construction Schedule and Progress Report

Fourth Quarter 2003

Job Number	Job Name	Contractor	Community	Projected Length	Length To Date	Remaining Main	Percentage Complete
02-8259-0	MODULE 259	Miller	Covington	25,260	25,260	-	100%
02-8279-8	MODULE 279	Miller	Cold Springs, Highland Hts.	15,663	15,663	-	100%
02-8280-6	MODULE 280	Miller	Dayton	7,330	7,330	-	100%
04-8287-7	MODULE 287	Midwest Gas	Ft. Mitchell	7,262	7,262	-	100%
04-8288-7	MODULE 288	Byrnes	Campbell County	2,762	2,762	-	100%
03-1059-9	DIXIE HWY	Byrnes	Park Hills	3,514	3,514	-	100%
03-1083-9	WATERWORKS RD	Byrnes	Newport Ft. Thomas	810	810	-	100%

12/18/03

AMRP Projects Construction Schedule J Progress
for Projects Outside Module Work

ReportPeriod: 200312

WO	Jobno	Job Name	Start Date	In ServiceDt	Construction By	Pct Complete	Length
B3977	03-1084-7	12TH ST	07/03		Byrnes	0	1,720.00
B3980	03-1065-6	SUNSET PL	08/03	11/10/2003	Henkels	100	2,653.00
B3992	00-7021-9	TENTH ST BRIDGE-NEWPORT	04/03		CJHughes	15	1,954.00
B5094	03-1117-5	FAIRFIELD PL	07/03	10/9/2003	AMS	100	922.00

Index of AMRP Projects

Attached is a listing of:

1. AMRP projects scheduled in 2003 fourth quarter. These project numbers will match the 11" x 17" job construction drawings included with this mailing. The job number is located in the box in the lower right-hand corner of the page.

Construction Drawings and Maps

**The following Construction Drawings and Maps are included
as part of the Fourth Quarter 2003 Filing**

Construction Drawings:

None

Maps:

S01E01	S01W01
N01E01	S04E02
S03W02	S03E02
S02W02	S02E02
S01W02	S02W01
S03W01	S02E01
S03W03	S04W01

Progress Reports For Module Work And Projects Outside Of Module Work

Fourth Quarter 2003

Modules-- Construction Schedule and Progress Report

Fourth Quarter 2003

Job <u>Number</u>	Job <u>Name</u>	<u>Contractor</u>	<u>Community</u>	Projected <u>Length</u>	Length <u>To Date</u>	Remaining <u>Main</u>	Percentage <u>Complete</u>
02-8259-0	MODULE 259	Miller	Covington	25,260	25,260	-	100%
02-8279-8	MODULE 279	Miller	Cold Springs, Highland Hts.	15,663	15,663	-	100%
02-8280-6	MODULE 280	Miller	Dayton	7,330	7,330	-	100%
04-8287-7	MODULE 287	Midwest Gas	Ft. Mitchell	7,262	7,262	-	100%
04-8288-7	MODULE 288	Byrnes	Campbell County	2,762	2,762	-	100%
03-1059-9	DIXIE HWY	Byrnes	Park Hills	3,514	3,514	-	100%
03-1083-9	WATERWORKS RD	Byrnes	Newport Ft. Thomas	810	810	-	100%

12/18/03

AMRP Projects Construction Schedule J Progress
for Projects Outside Module Work

ReportPeriod: 200312

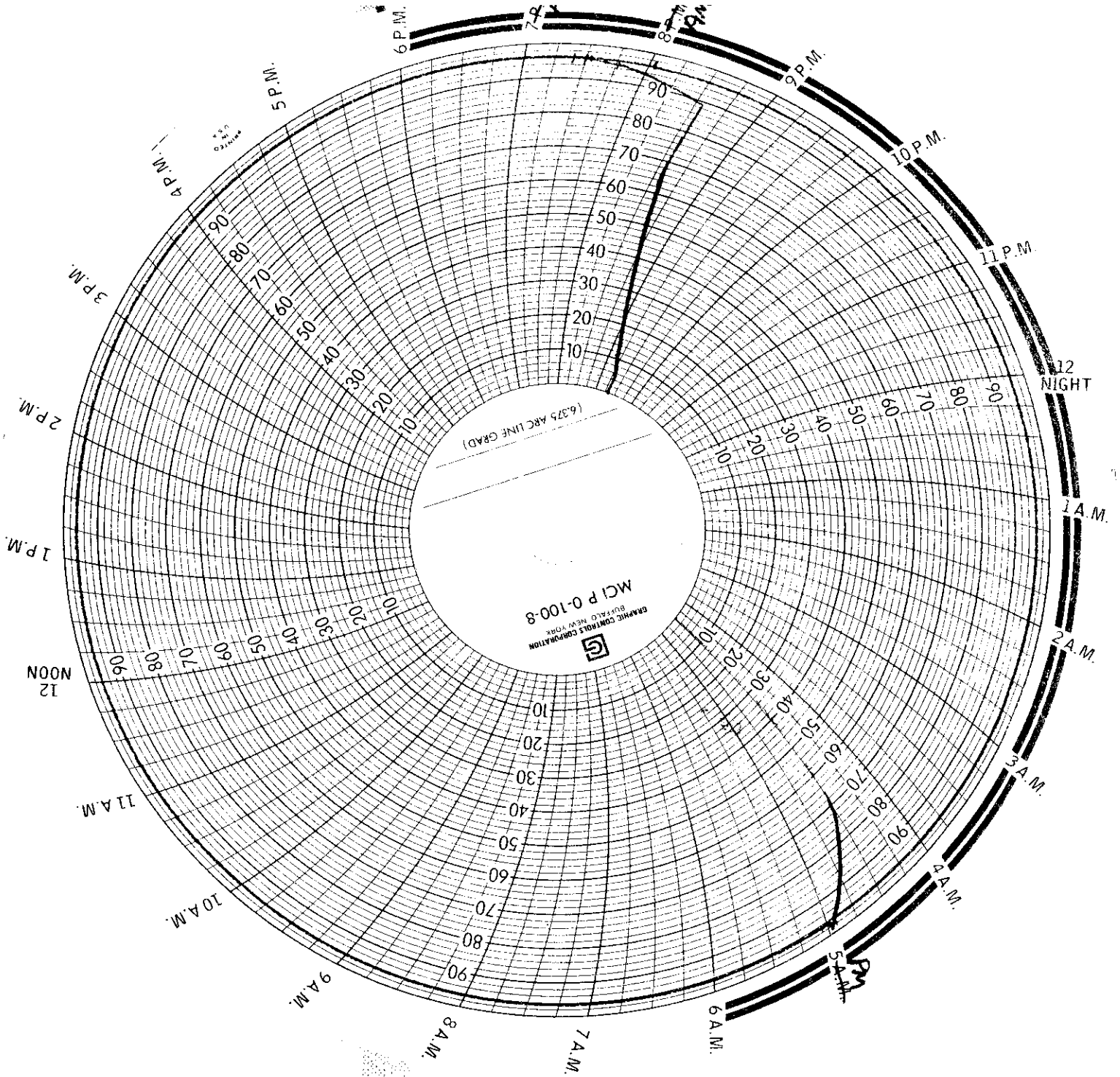
WO	Jobno	Job Name	Start Date	In ServiceDt	ReqNo	Construction By	Pct Complete	Length
B3977	03-1084-7	12TH ST	07/03		G-4538	Byrnes	0	1,720.00
B3980	03-1065-6	SUNSET PL	08/03	11/10/2003	G-4547	Henkels	100	2,653.00
B3992	00-7021-9	TENTH ST BRIDGE-NEWPORT	04/03		G-4591	KDOT	15	1,954.00
B5094	03-1117-5	FAIRFIELD PL	07/03	10/9/2003		AMS	100	922.00

Pressure Charts For Module Work

Fourth Quarter 2003

Pressure Charts For Module 258

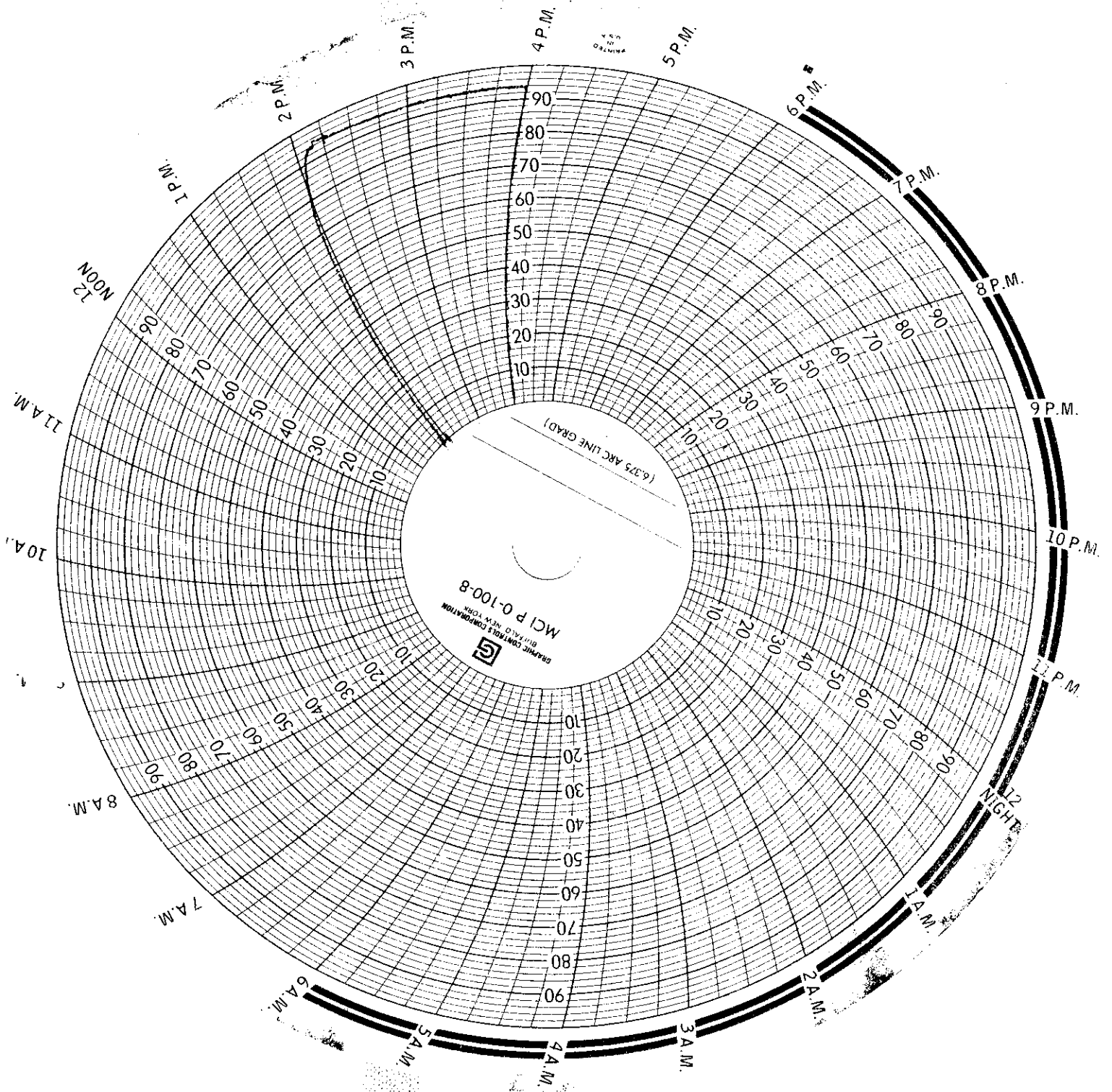
Pressure Charts For Module 280



Dixie Hwy

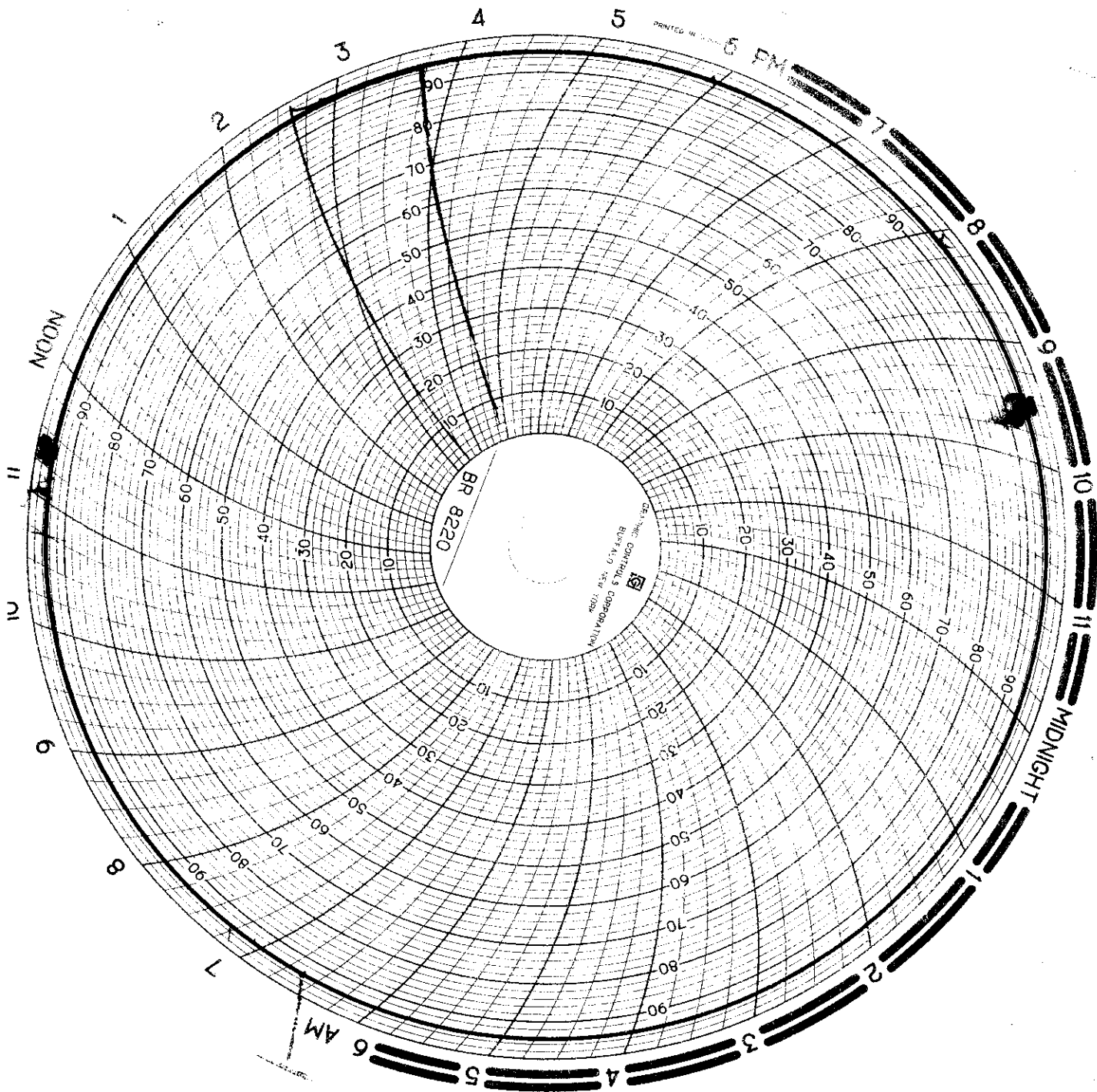
03-1054-9

part of module 280

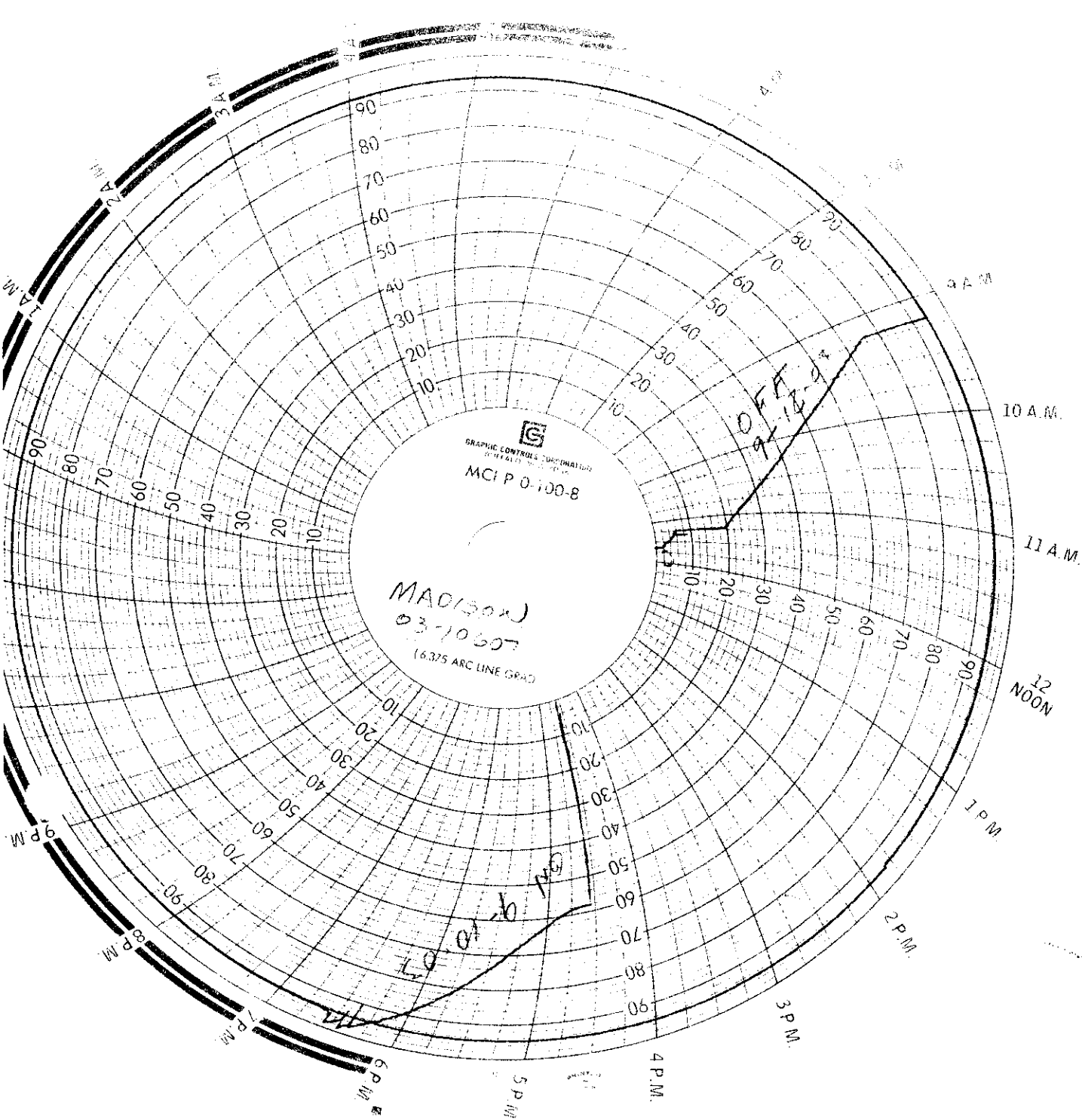


03-1059-9

Dixie Hwy post of mod 280

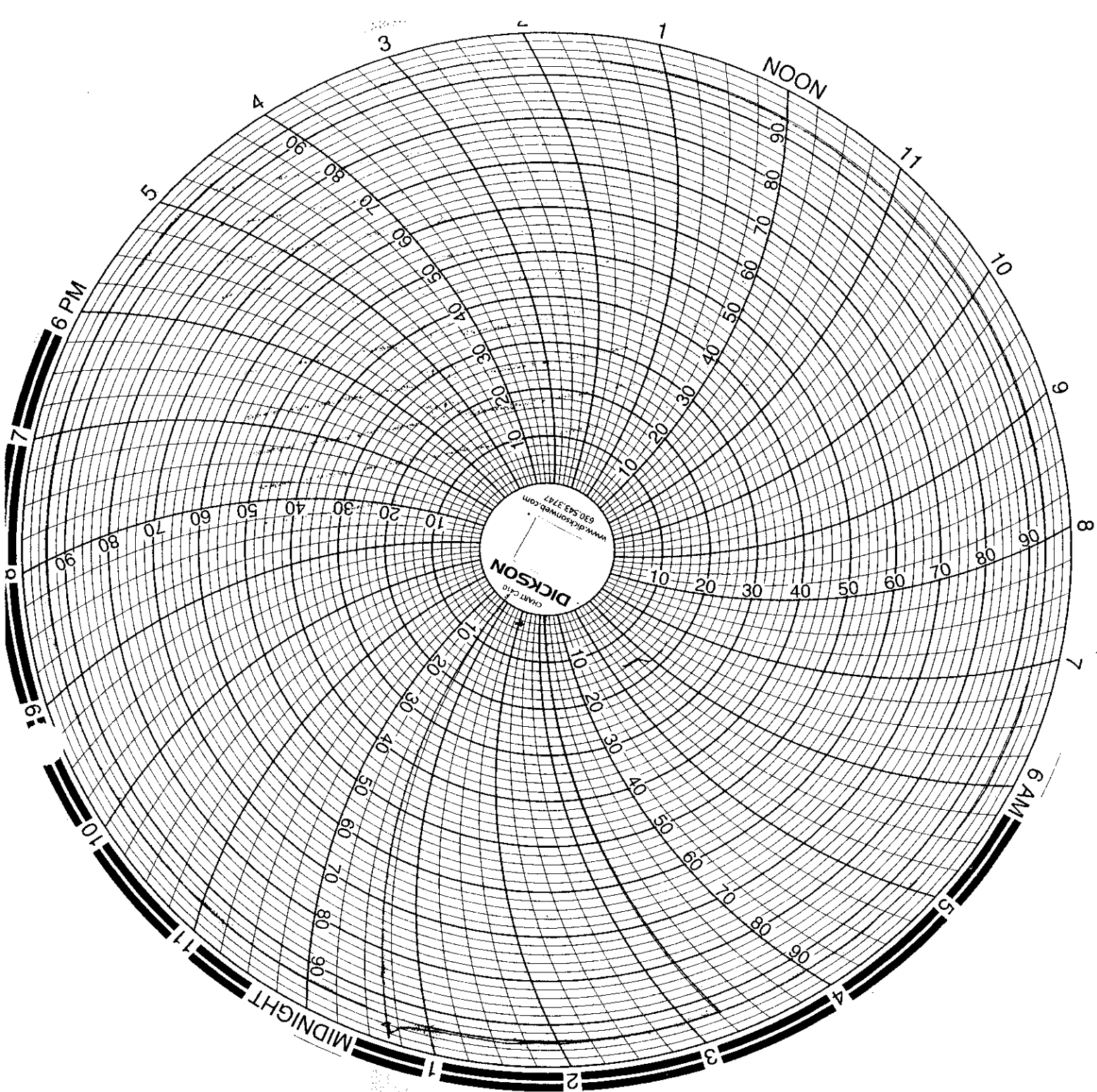


03-1061-5 20TH E
(part of mo 280)

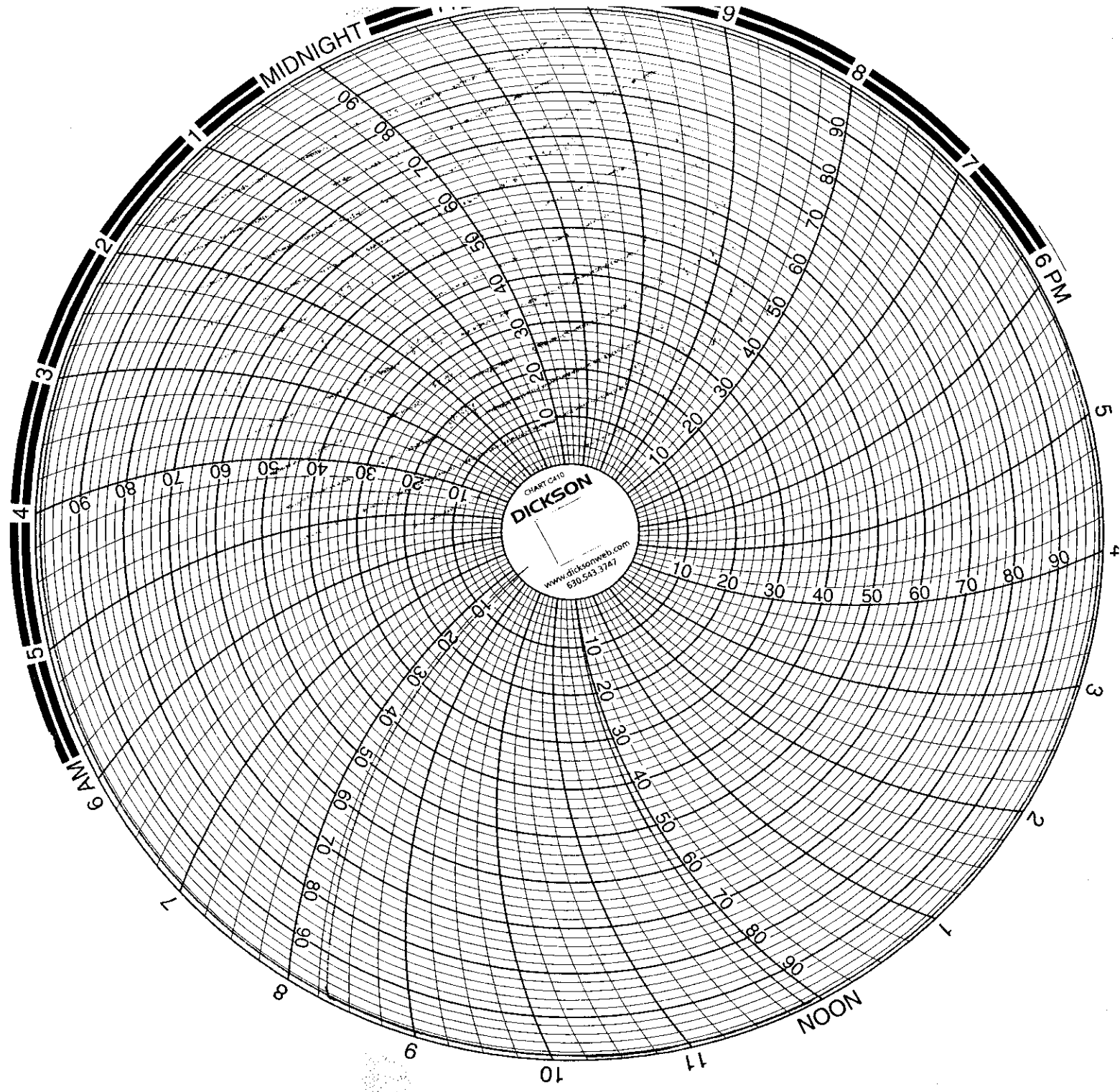


03-1060-7 Madison
(part of MAD 280)

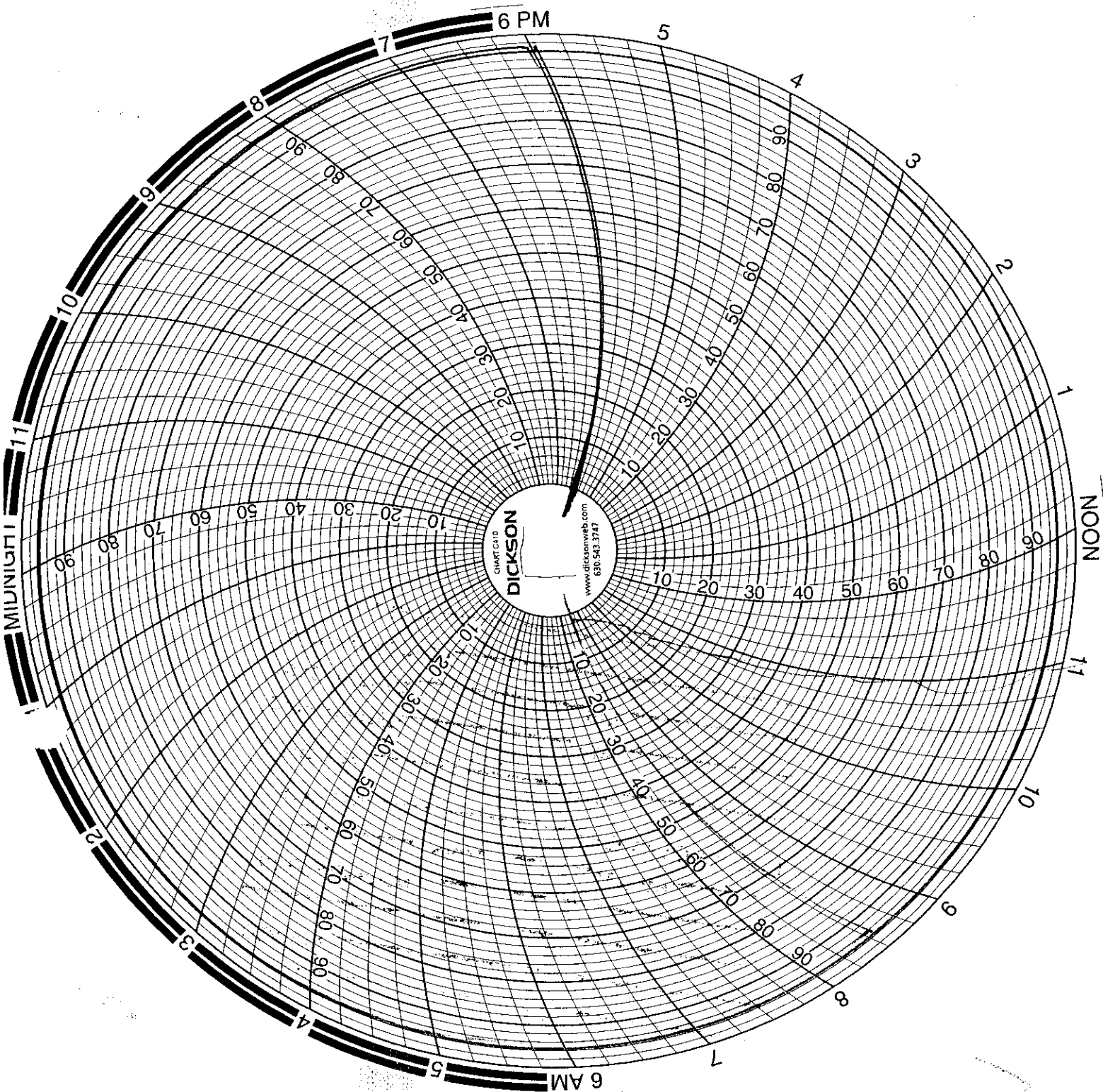
Pressure Charts For Module 287



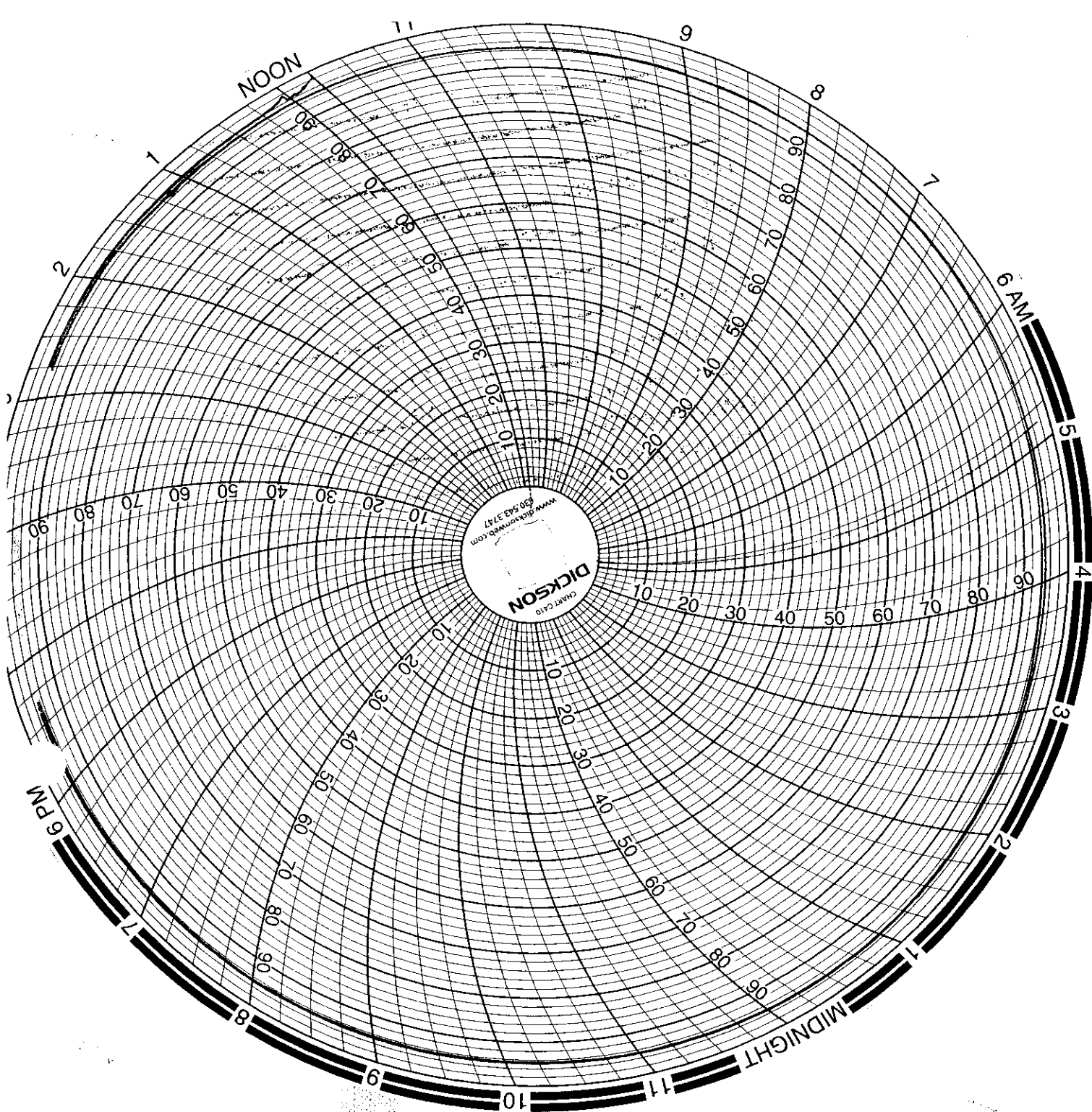
Module 287

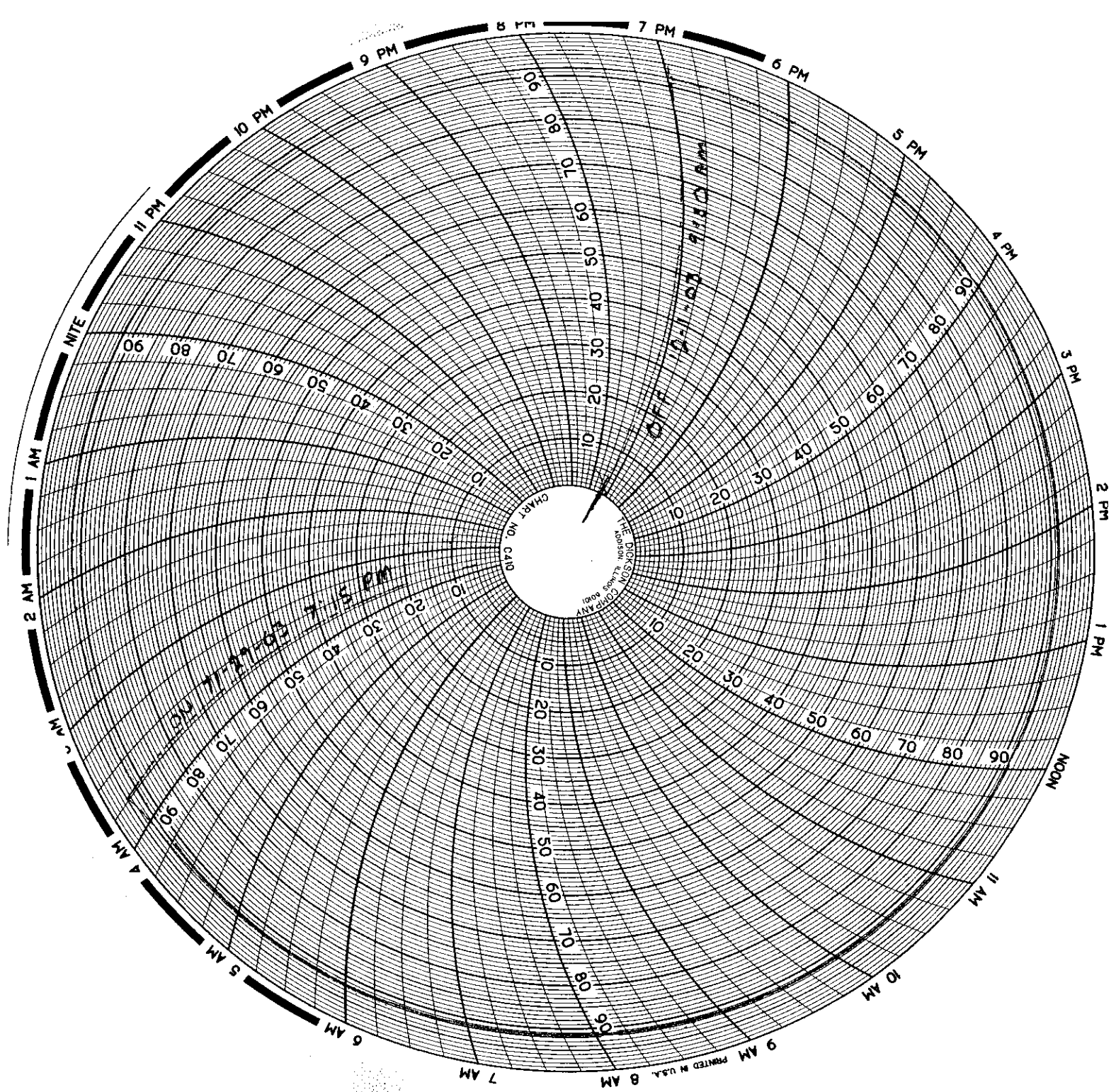


Module 287

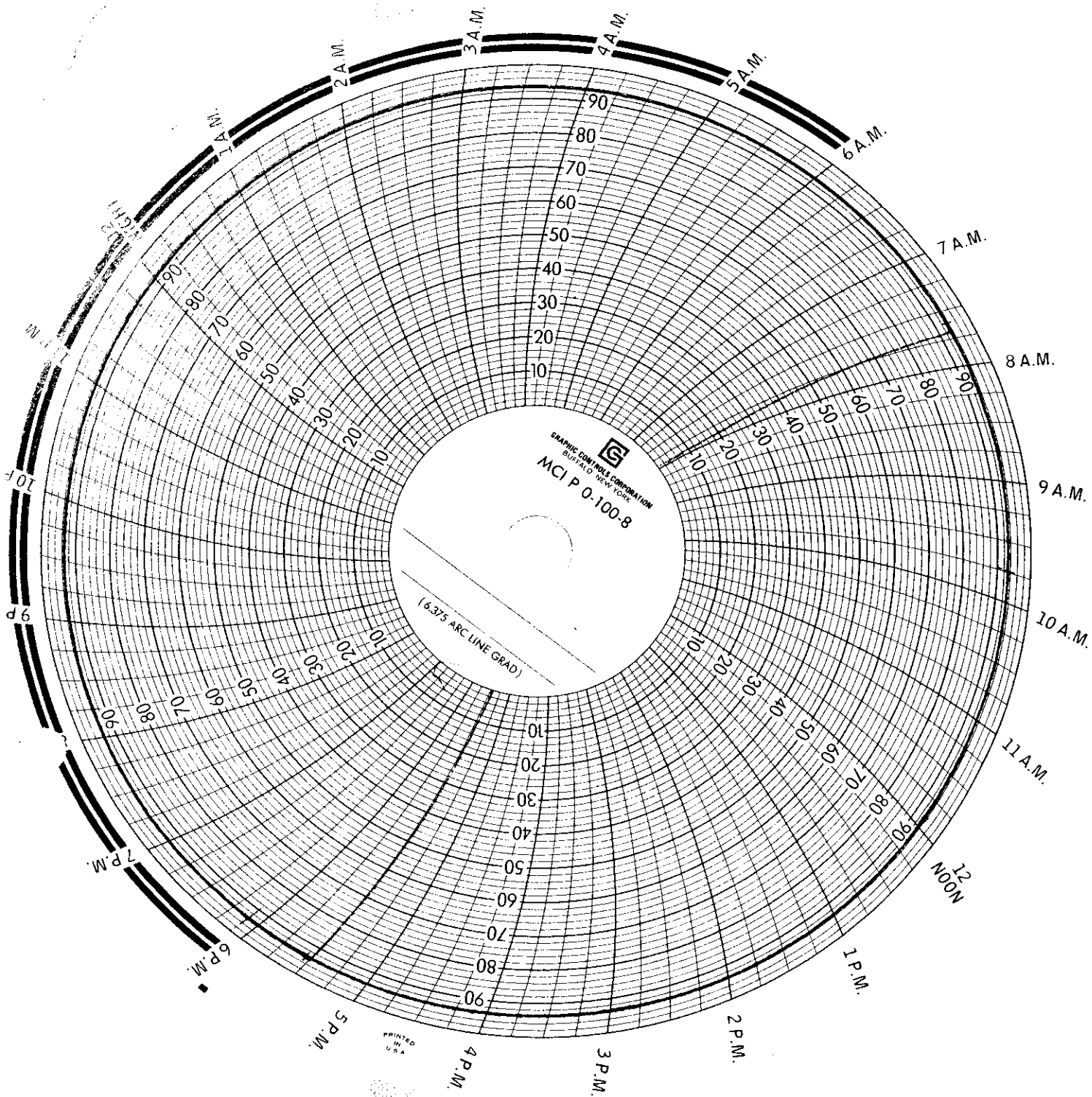


Module 287

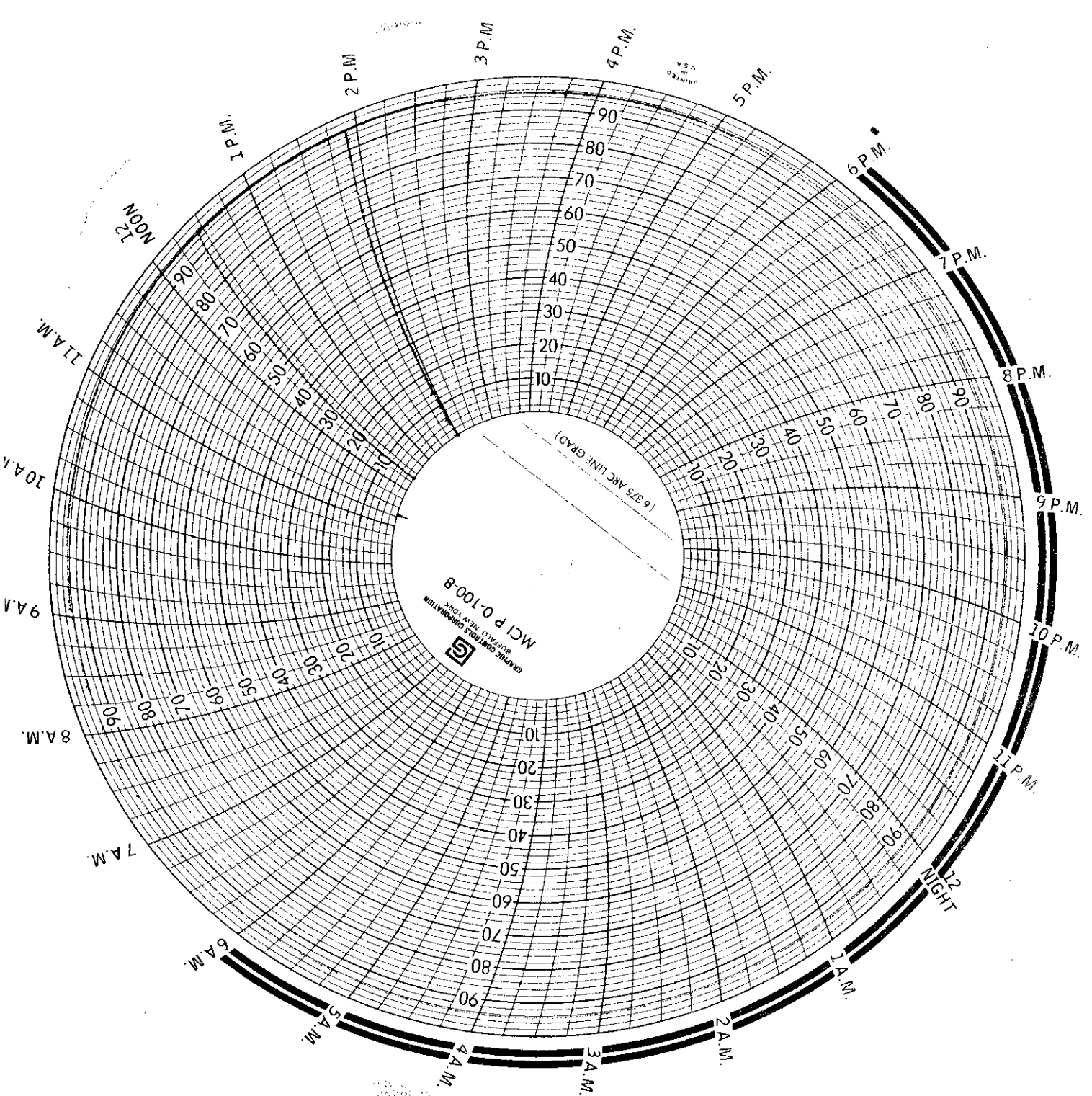




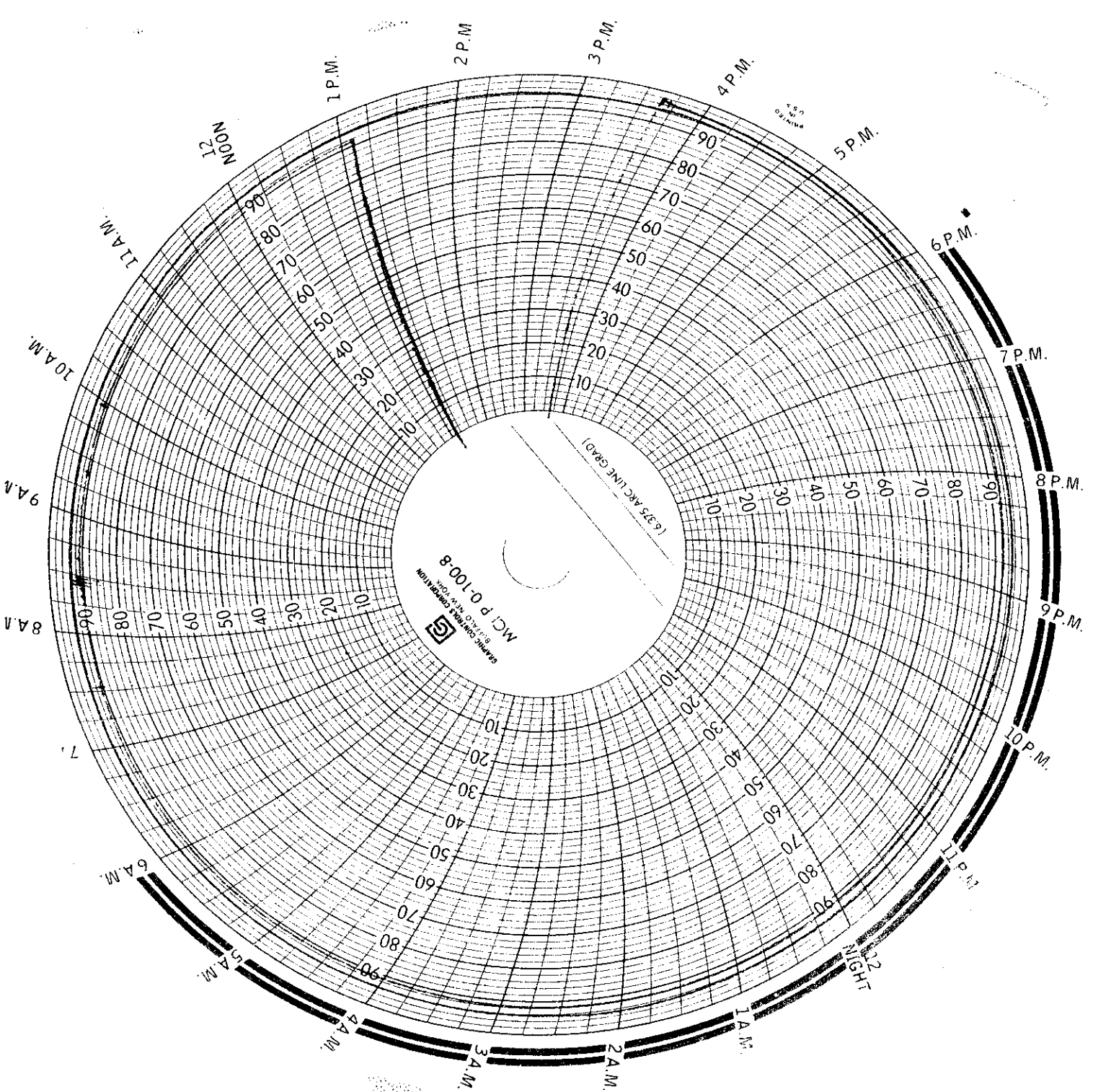
Pressure Charts For Module 288



Module 288



Module 288

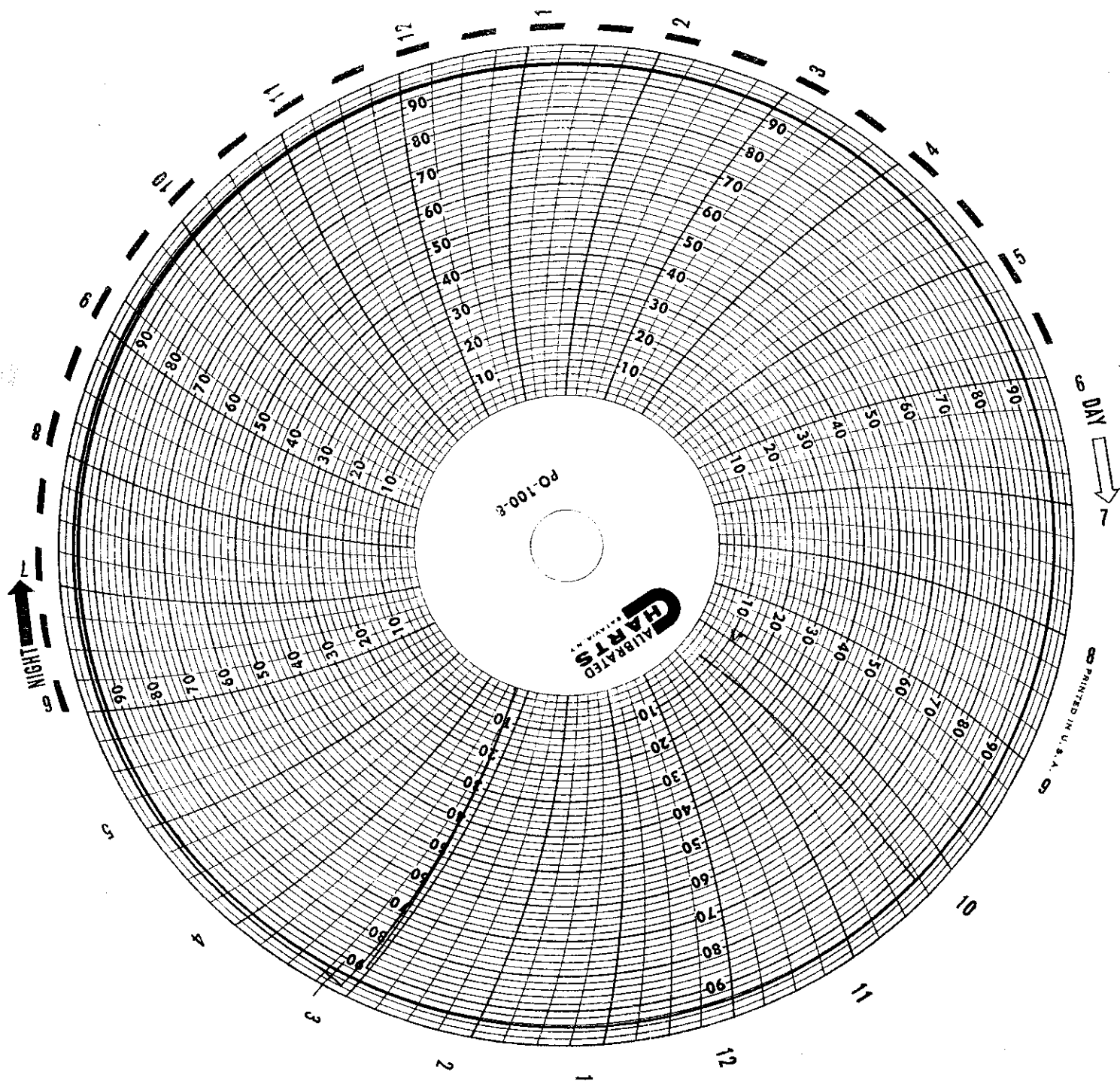


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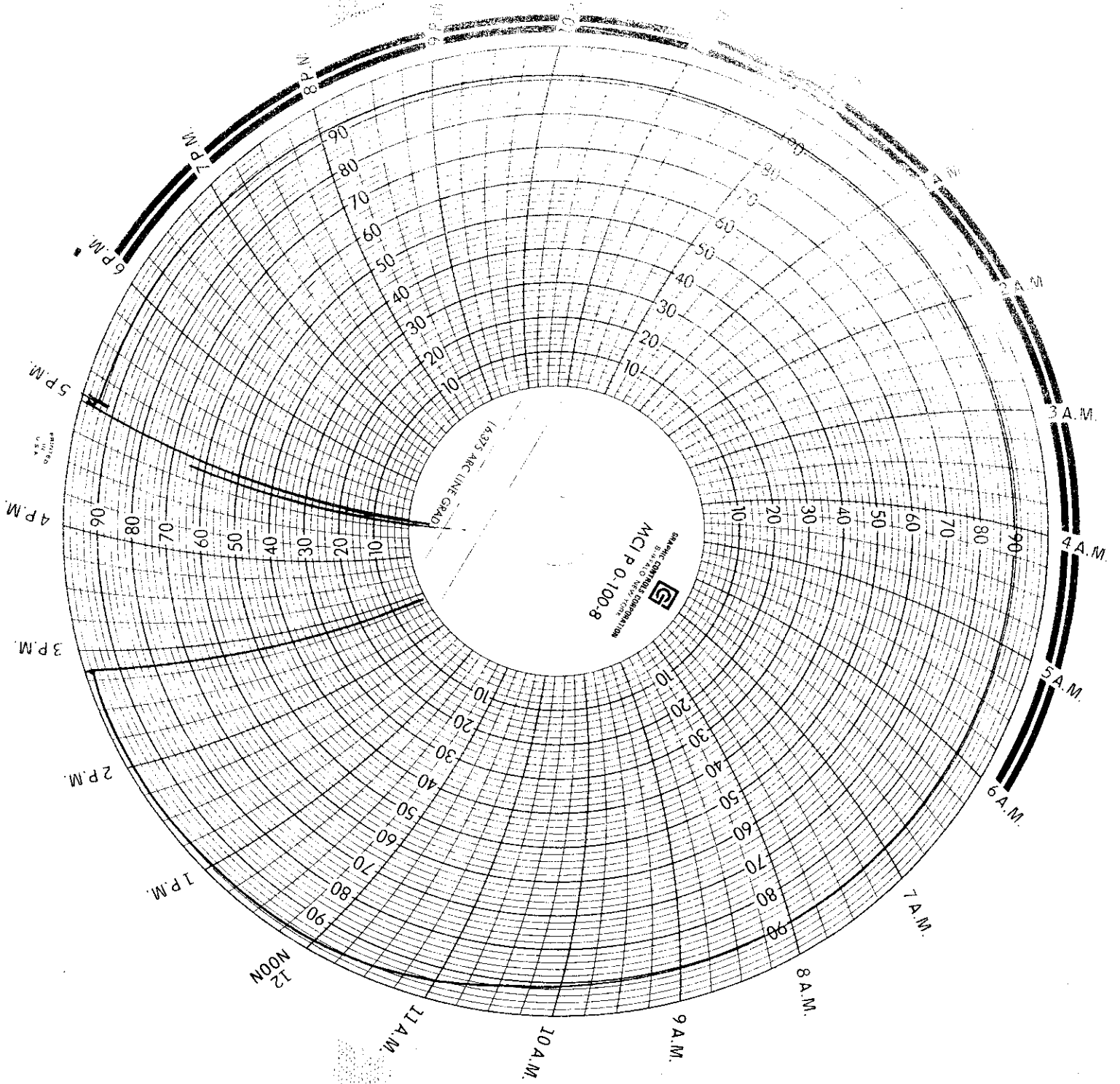
Pressure Charts For Projects Outside of Module Work

Fourth Quarter 2003

Pressure Charts For Fairfield Place



Fairfield PL
03-1117-5

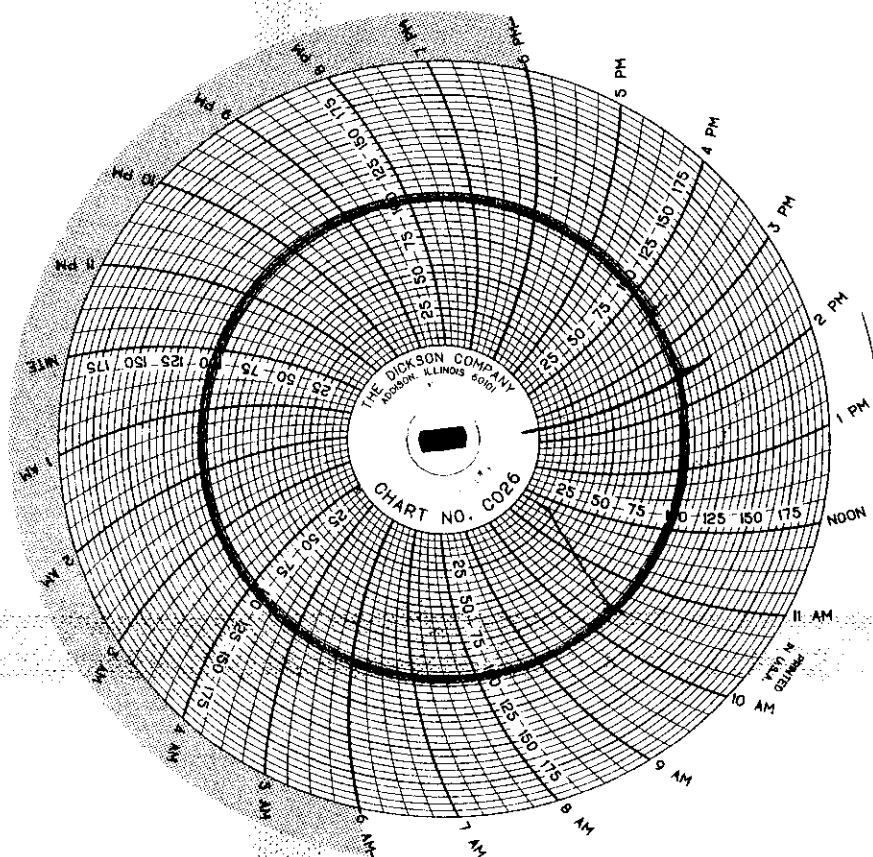


03-1117-5
Fairfield Pl

Pressure Chart For Sunset Place

D. NO. 03-1065-6 W.O. NO. B3980
LOCATION SUNSET PL COVINGTON
SUNSET. PANORAMA DR.
LINE DESIGNATION SERIAL NO. 02347928
SIZE 2" 4" KIND PL LENGTH 2700'
TEST PRESS 98 AIR ☒ GAS ☐ WATER ☐
TESTED BY Clifford H. Munn DATE 10-3-03
DATE STARTED 10-3-03 TIME 1:30 PM
DATE FINISHED 10-6-03 TIME 9:30 AM
SEGMENT NUMBER PG 3-4-5-6-7
SERVICE DATE 10-7-03

COPIED 10/10/03 lsm



Welding Certification

Fourth Quarter 2003

COMPANY AND CONTRACTOR WELDER TEST DATES 2002 -2003

NAME	CERT. DATE	6 - MONTH RETEST	TYPE	TEST DATE	COMPANY
ADDISON, CHARLES	02/05/03	MARKET & NORTH	VISUAL	6/18/2003	MILLER
		7600 BEECHMONT	VISUAL	8/3/2003	
ADKINS, KEVIN	01/06/03	US RT 50 & I275	X-RAY	9/4/2003	CGE GAS
ANTON, MARK	09/03/03				A M S
BANNISTER, JASON	11/26/03				BYRNES
BLEVINS, KEVIN	12/17/03				MICHEALS
COLLINS, LARRY	01/08/03	8400 HAMILTON	X-RAY	8/27/2003	CGE GAS
COOPER, RODNEY	04/17/03	20TH ST	VISUAL	6/26/2003	BYRNES
DEWITT, JOHN	06/16/03				SKI BECK
DUDDLESTON, STEVE	07/28/03				SKI BECK
DUHON, BENJI	06/16/03				SKI BECK
FOURNIER, TOMMY	05/28/03				SKIBECK

COMPANY AND CONTRACTOR WELDER TEST DATES 2002 -2003

GREEN, ANDREW	10/20/03					BYRNES
GROS, RANDY	07/31/03					SKI BECK
HARBAUGH, SCOTT	09/26/03					MID WEST
HIPSHER, TED	07/28/03					BYRNES
HOLLIER, JEFFERY	05/28/03					SKIBECK
HUBER, DAVE	04/24/03	ST RT 22 & 48	X-RAY	6/4/2003		MICHAELS
HUDDLESTON, DON	09/23/03					C J HUGHES
JOHNSON, FRED	01/07/03	ST RT 22 & 27(FALMOUTH,KY)	X-RAY	7/22/2003		CGE GAS
JONES, ERIC	10/29/03					BREWER
KINSER, JOHN	03/28/03	APPLE HILL	X-RAY	6/17/2003		MUELLER
KINSER, STEVE	05/28/03	29TH & ROGERS	VISUAL	6/25/2003		MILLER
LOCASCIO, GERALD	10/17/03					HUGHES
MARKER, SCOTT	07/31/03					HUGHES

COMPANY AND CONTRACTOR WELDER TEST DATES 2002 -2003

McCLOUD, LEE (HENRY)	07/30/03					HUGHES
McGEE, LANDLE	05/28/03					SKIBECK
MILBY, KENNETH	09/09/03					C J HUGHES
NOBLES, ROBERT	09/30/03					C J HUGHES
PARNICKY III, STEPHEN	04/28/03	APPLE HILL	X-RAY	6/17/2003		MUELLER
PERRY, RANDY	09/25/03					BREWER
PLYES, KEVIN	12/02/03					ENERGY INS
ROSS, JEFF	11/19/03					HUGHES
SEARS, ERNEST	05/16/03					HUGHES
SEARS, EUGENE	10/14/03					HUGHES
SANCHEZ, BENNY	04/14/03	WESTERN&NORTHERN	VISUAL	6/20/2003		BREWER
SIMON, SHANE	07/28/03					SKI BECK
SPELL, GERALD	06/16/03					SKI BECK

COMPANY AND CONTRACTOR WELDER TEST DATES 2002 -2003

STALNAKER, ERIC	08/12/03				BYRNES
STELLY, NATHAN	05/28/03				SKIBECK
TAXIS, PAT	04/09/03				MILLER
TAXIS, TOM	04/18/03	BULTER-WARREN C314	X-RAY	11/11/2003	GREAT W
TUTTLE, RICKY	01/10/03	BULTER-WARREN C314	X-RAY	9/9/2003	CGE GAS
WILCOX, THOMAS	12/03/03				MILLER
WILLIAMSON, WAYNE	06/16/03				SKI BECK
WYATT, RANDY	01/16/03	WESRTERN & NORTHERN	VISUAL	6/17/2003	BREWER

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
 SS# 311-48-0695
 Test No.: 3-07

SECTION 3.3
API 1104

Location: 2120 Dana Avenue Date: 1-09-03
 Contractor: Cincinnati Gas & Electric Sub-contractor: MILLER

Schedule: N/A Gang: N/A Inspector: N/A

Date: 2/5/02 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G

Welder CHARLES ADDISON MARK CEA

Welding Time: 1 1/2 HR. Time of Day: 8:00AM M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A Voltage: 21 Amperage: 120/190

Make of Welding Machine: LINCOLN Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV Kind: API GRB 5L

Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.300	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.284	.262					
Maximum Load:	18000	17000					
Tensile S/in. Plate Area:	63380	64885					
Fracture Location:	BM	BM					

0 Procedure
 X Welder

X Qualifying Test
 0 Line Test

X Qualified
 0 Disqualified

Max. Tensile: 64885	Min. Tensile: 63380	Avg. Tensile 64132
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE

Test Made At: 2120 Dana Avenue Date: 2-05-03

Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE

Certified By: *Carl Goyette*

Title: Welding Supervisor

Date: 2-05-03

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
 SS# 401-86-9893
 Test No.: 3-01

SECTION 3.3
API 1104

Location: 2120 Dana Avenue		Date: 1-06-03	
Contractor: Cincinnati Gas & Electric		Sub-contractor:	
Schedule: N/A	Gang: N/A	Inspector: N/A	
Date: 1-06-03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder KEVIN ADKINS		MARK E - 7	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature	70 F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: MILLER		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.200	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.262	.262					
Maximum Load:	17000	17000					
Tensile S/in. Plate Area:	64885	64885					
Fracture Location:	BM	BM					

<input type="checkbox"/> Procedure <input checked="" type="checkbox"/> Welder	<input checked="" type="checkbox"/> Qualifying Test <input type="checkbox"/> Line Test	<input checked="" type="checkbox"/> Qualified <input type="checkbox"/> Disqualified
----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------

Max. Tensile: 64885	Min. Tensile: 64885	Avg. Tensile: 64885
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3.
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM ☒ SIDE

Test Made At: 2120 Dana Avenue Date: 1-06-03
 Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE

Certified By: *Carl Goyette*

Title: Welding Supervisor

Date: 1-06-03

SECTION 3.3

API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 275-58-5506

Test No.: 3-39

Location: 2120 DANA AVE

Date: 9/03/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: AMS

Schedule: N/A

Gang: N/A

Inspector:

Date: 9/03/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder MARK ANTON

MARK M A

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: INSIDE

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.219					
Maximum Load:	17000	16500					
Tensile S/in. Plate Area:	70833	75342					
Fracture Location:							

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 75342

Min. Tensile: 70833

Avg. Tensile 73087

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1. SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

SATISFACTORY

2. SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

SATISFACTORY

3. SATISFACTORY, FRACTURE BASE METAL

3. FACE N/A

4. SATISFACTORY, FRACTURE BASE METAL

4. FACE N/A

Tee Test

Acceptable

Yes

No

Remarks

Coupon

Crotch

X

Crotch

X

Side

X

Side

X

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

Test Made At: 2120 DANA

Date: 9/03/03

Tested By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 9/03/03

SECTION 3.3
API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 256-65-0414
Test No.: 3-51

Location: 2120 Dana Avenue		Date: 11/26/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor BYRNES	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 11/26/03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder JASON BANNISTER		MARK JAB	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature 70	F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: MILLER		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.100					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.240					
Maximum Load:	16000	16500					
Tensile S/in. Plate Area:	73059	68750					
Fracture Location:	BM	BM					

<input type="checkbox"/> Procedure <input checked="" type="checkbox"/> Welder	<input checked="" type="checkbox"/> Qualifying Test <input type="checkbox"/> Line Test	<input checked="" type="checkbox"/> Qualified <input type="checkbox"/> Disqualified
----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------

Max. Tensile: 73059	Min. Tensile: 68750	Avg. Tensile 70904
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"	Run: 12"	Position: BOTTOM	<input checked="" type="checkbox"/> SIDE
----------------------------	----------	------------------	------------------------------------------

Test Made At: 2120 Dana Avenue	Date: 11/26/03
Tested By: Cincinnati Gas & Electric	Supervised By: CARL GOYETTE
Certified By:	
Title: Welding Supervisor	
Date: 11/26/03	

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 438-43-2998

Test No.: 3-54

SECTION 5.5

API 1104

Location: 2120 Dana Avenue

Date: 12/17/03

Contractor: Cincinnati Gas & Electric

Sub-contractor MICHEALS

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 12/17/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder MICHAEL BLEVINS

MARK M B

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

WT./FL. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.219					
Maximum Load:	16000	16000					
Tensile S/in. Plate Area:	73059	73059					
Fracture Location:	BM	BM					

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile: 73059

Min. Tensile: 73059

Avg. Tensile 73059

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2. SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4. FACE NA

4.

Tee Test

Coupon

Acceptable

Yes

No

Remarks

Crotch

X

Crotch

X

Side

X

Side

X

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 12/17/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 12/17/03

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
 SS# 310-56-2107
 Test No.: 3-03

SECTION 3.3
API 1104

Location: 2120 Dana Avenue		Date: 1-08-03	
Contractor: Cincinnati Gas & Electric		Sub-contractor:	
Schedule: N/A	Gang: N/A	Inspector: N/A	
Date: 1-08-03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder LARRY COLLINS		MARK C-5	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature	70 F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: MILLER		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.120	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.245	.262					
Maximum Load:	16500	17000					
Tensile S/in. Plate Area:	67346	64885					
Fracture Location:	BM	BM					

0 Procedure
 X Welder

X Qualifying Test
 0 Line Test

X Qualified
 0 Disqualified

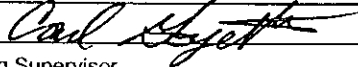
Max. Tensile: 67346	Min. Tensile: 64885	Avg. Tensile 66115
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4 FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE

Test Made At: 2120 Dana Avenue Date: 1-08-03
 Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE

Certified By: 
 Title: Welding Supervisor
 Date: 1-08-03

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
 SS# 402-82-3171
 Test No.: 3-12

SECTION 3.3
API 1104

Location: 2120 Dana Avenue		Date: 4/17/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor: BYRNES	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 4/17/03	Location: OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder RODNEY COOPER		MARK S-6	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature	70 F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: LINCOLN		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

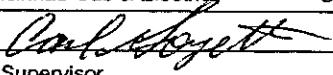
Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.219					
Maximum Load:	16500	17000					
Tensile S/in. Plate Area:	75342	77625					
Fracture Location:	BM	BM					

0 Procedure X Welder	X Qualifying Test 0 Line Test	X Qualified 0 Disqualified
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Max. Tensile: 75342	Min. Tensile: 77625	Avg. Tensile 76483
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"	Run: 12"	Position: BOTTOM	X	SIDE
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Test Made At: 2120 Dana Avenue	Date: 4/17/03
Tested By: Cincinnati Gas & Electric	Supervised By: CARL GOYETTE
Certified By: 	
Title: Welding Supervisor	
Date: 4/17/03	

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 433-66-8916

Test No.: 3-22

Location: 2120 Dana Avenue

Date: 6-16-03

Contractor: Cincinnati Gas & Electric

Sub-contractor: SKI BECK

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 6/16/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder JOHN DEWITT

MARK J D

Welding Time: 1 1/2 HR.

Time of Day: 9:00AM

M. Temperature 70 F.

Weather Condition: OUTSIDE

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 5/32-3/16

Pipe Mfr: MAVERICK TUBE

Kind: API X52 5L

Wall Thickness: .438

Dia. O.D. 24"

Wt./Ft.

Joint Length: Nipple

Bead No.

1

2

3

4

5

6

7

Size of Electrode:

5/32

5/32

5/32

5/32

No. of Electrode:

E8010

E8010

E8010

E8010

Coupon Stenciled:

1

2

3

4

5

6

7

Original:

Dimension of Plate:

Orig. Area of Plate in 2:

Maximum Load:

Tensile S/in. Plate Area:

Fracture Location:

N/A

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile

Min. Tensile:

Avg. Tensile

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

TESTED PER API 1104
SECTION 3.2.1
Tee Test

Coupon

Acceptable

Yes

No

Tee Test

Remarks

Crotch

Crotch

Side

Side

SEE ATTACHED XRAY REPORT

Pipe Diameters Branch:

Run:

Position: BOTTOM

Test Made At: 2120 Dana Avenue

Date: 6/16/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Carl Goyette

Title: Welding Supervisor

Date: 6/16/03

1827

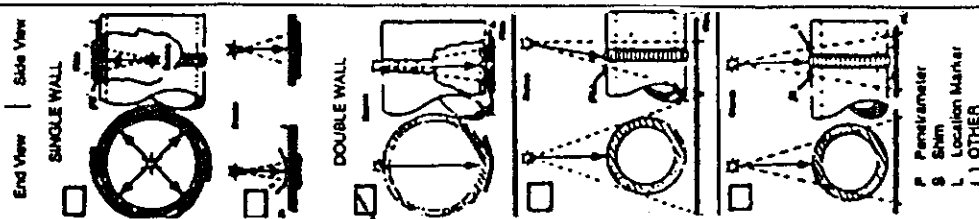
4006 Vincent Station Drive
Owensboro, KY 42303
(270) 685-2525
(270) 685-2855 fax

MQS

COOPERHEAT

CLIENT	CG&E PIPELINE		INTERPRETER/LEVEL	J. RIGGS L#		RADIOGRAPHER	AC. WEDDIE/FO 284		JOB NO	DATE	
ISO/FILM	TR 192 1X.1		FOCAL SPOT SIZE	1154		SOD	23.462		FILM PROCESSING	PB SCREENS	
WELD PROCESS	SM AW		MATERIAL SPEC.	API 5L		MATERIAL THICKNESS	.438		FILM TYPE	ASFA D4 SINGLE	
DESCRIPTION	WELD TEST FOR JOHN DEWITT		MATERIAL DIAMETER	24"		PENETRATOR	ASTM B		SHIM	ACCEPTANCE STANDARD	
										API 1104	

FITTING, SEAM OR FITTING	FILM INTERVAL NUMBER	WELDER IDENTIFICATION	PENETRATOR		SLAG	POROSITY	POROSITY WITH TAIL	CRACK	LACK OF PEN	LACK FUSION	INTERNAL CONVEXITY	INTERNAL CONCAVITY	TUNGSTEN	MELT THROUGH	BURN THROUGH	CRATER/FIT	OXIDATION	INTERNAL UNDERCUT	EXTERNAL UNDERCUT	ALIGNED INDICATIONS	WELD CONTOUR	MIS-MATCH	FILM ARTIFACT	VISUAL CONCERNS	FILM DENSITY	SEE REMARKS	ACCEPT	REJECT
			SIZE	QUALITY LEVEL																								
TEST 3-4	JD	B	1016																									
4-5																												
5-0																												



Cooperheat-MQS Signature

Customer Representative Signature

Date

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 438-43-4057

Test No.: 3-33

Location: CINTI- DAYTON RD YARD (C314)

Date: 7/28/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: SKI-BECK

Schedule: N/A

Gang: N/A

Inspector: DAVE VANLANDINGHAM

Date: 7/28/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder STEVE DUDDLESTON

MARK SDSB

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: OUTSIDE

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 5/32-3/16

Pipe Mfr: MAVERICK TUBE

Kind: API X52 5L

Wall Thickness: .438

Dia. O.D. 24"

Wt./Ft.

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	5/32	5/32	5/32	5/32			
No. of Electrode:	E8010	E8010	E8010	E8010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:							
Dimension of Plate:							
Orig. Area of Plate in 2:							
Maximum Load:							
Tensile S/in. Plate Area:							
Fracture Location:							

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile:

Min. Tensile

Avg. Tensile

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

TESTED PER SECTION 3.2.1 XRAY REPORT

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch			
Crotch			
Side			
Side			

Pipe Diameters Branch

Run:

Position:

SIDE

Test Made At: CINTI-DAYTON RD YARD (C314)

Date: 7/28/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 7/28/03

1660

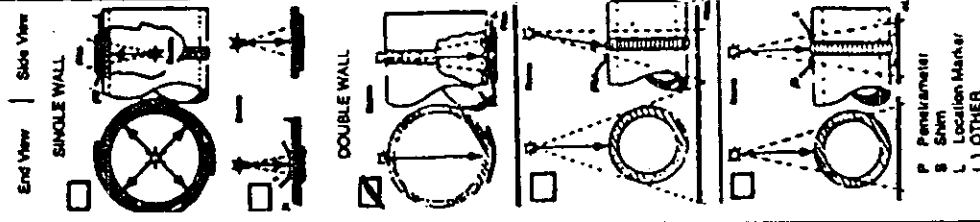
4008 Vincent Station Drive
Owensboro, KY 42303
(270) 685-2525
(270) 685-2855 fax



CLIENT		INTERPRETER LEVEL		RADIOGRAPHER		JOB NO.		P.O. NO.		DATE	
CGT PIPELINE		AG WIDFIELD		AG WIDFIELD		FB 284				7-28-03	
ISOTOPE XRAY	DAL X LENNY	CURIES	FOCAL SPOT SIZE	SFD	24,200"	TIME	23,462"	FILM TYPE	AGFA D-5	FILM TECHNIQUE	SB SCREENS
WELD PROCESS	118X.118	63	1.154				3 MIN	MAN.	AGFA D-5	SB	005X005
WELD PROCESS		MATERIAL SPEC.		MATERIAL THICKNESS		PENETRATOR		SHIM		ACCEPTANCE STANDARD	
SM AW		API 5L 438		24"		.438X.100 ASTM 1B		—		API 1104	

DESCRIPTION 24" WELDER QUALIFICATIONS

DESCRIPTION		REMARKS													End View	Side View							
FITTING, SEAM OR FITTING	FILM INTERVAL NUMBER	WELDER IDENTIFICATION	PENETRANETER		SLAG	POROSITY	POROSITY WITH TAIL	CRACK	LACK OF PEN	LACK FUSION	INTERNAL CONVEXITY	INTERNAL CONCAVITY	INTERNAL UNDERCUT	EXTERNAL UNDERCUT	ALIGNED INDICATIONS	WELD CONTOUR	MIS-MATCH	FILM ARTIFACT	VISUAL CONCERNS	FILM DENSITY	SEE REMARKS	ACCEPT	REJECT
			SIZE	QUALITY LEVEL																			
	0-1	SHADE	SEAM/B	10/6																2.4		/	
	1-2																			2.4		/	
	2-3																			2.4		/	
	3-4	STEVE																		2.4		/	
	4-5	DODDLESTAD																		2.4		/	
	5-0																			2.4		/	



Customer Representative Signature: *[Signature]* Date: 7-28-03

Cooperheat-MQS Signature: *[Signature]*

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 433-53-2358

Test No.: 3-23

Location: 2120 Dana Avenue

Date: 6-16-03

Contractor: Cincinnati Gas & Electric

Sub-contractor: SKI BECK

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 6/16/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder: BENJI DUHON

MARK: B D

Welding Time: 1 1/2 HR.

Time of Day: 9:00AM

M. Temperature: 70 F.

Weather Condition: OUTSIDE

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement: 5/32-3/16

Pipe Mfr: MAVERICK TUBE

Kind: API X52 5L

Wall Thickness: .438

Dia. O.D. 24"

Wt./Ft.

Joint Length: Nipple

Bead No.

1

2

3

4

5

6

7

Size of Electrode:

5/32

5/32

5/32

5/32

No. of Electrode:

E8010

E8010

E8010

E8010

Coupon Stenciled:

1

2

3

4

5

6

7

Original:

Dimension of Plate:

Orig. Area of Plate in 2:

Maximum Load:

Tensile S/in. Plate Area:

Fracture Location:

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile

Min. Tensile:

Avg. Tensile

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

Coupon

Crotch

Crotch

Side

Side

Acceptable

Yes

No

Remarks

Pipe Diameters Branch:

Run:

Position: BOTTOM

Test Made At: 2120 Dana Avenue

Date: 6/16/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 6/16/03

**4006 Vincent Station Drive
Owensboro, KY 42303
(270) 685-2525
(270) 685-2855 fax**

[illegible]

Cooperheat-MQS Signature

Customer Representative Signature

Data

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
 SS# 436-68-5002
 Test No.: 3-18

SECTION 3.3
API 1104

Location: 2120 Dana Avenue		Date: 5/28/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor: SKIBECK	
Schedule: N/A	Gang: N/A	Inspector: N/A	
Date: 5/28/03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder TOMMY FOURNIER		MARK T F	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature	70 F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: LINCOLN		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: MAVERICK TUBE		Kind: API 5L ^{X52}	
Wall Thickness: .375	Dia. O.D. 12 3/4	WT/FL 49.61	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	8010	8010	8010	8010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.000					
Dimension of Plate:	.375	.375					
Orig. Area of Plate in 2:	.375	.375					
Maximum Load:	31200	31000					
Tensile S/in. Plate Area:	83200	82666					
Fracture Location:	BM	BM					

0 Procedure X Welder	X Qualifying Test 0 Line Test	X Qualified 0 Disqualified
-------------------------	----------------------------------	-------------------------------

Max. Tensile: 83200	Min. Tensile: 82666	Avg. Tensile 82933
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4 FACE NA	4.

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE

Test Made At: 2120 Dana Avenue		Date: 5/28/03
Tested By: Cincinnati Gas & Electric		Supervised By: CARL GOYETTE
Certified By:		
Title: Welding Supervisor		
Date: 5/28/03		

SECTION 3.3 API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 289-76-0409
Test No.: 3-48

Location: 2120 Dana Avenue		Date: 10/20/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor BYNRES	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 10/20/03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder ANDREW GREEN		MARK A G	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature 70	F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: LINCOLN		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1,100	1,200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.262					
Maximum Load:	16500	17000					
Tensile S/in. Plate Area:	68750	64885					
Fracture Location:	BM	BM					

<input type="checkbox"/> 0 Procedure <input checked="" type="checkbox"/> X Welder	<input checked="" type="checkbox"/> X Qualifying Test <input type="checkbox"/> 0 Line Test	<input checked="" type="checkbox"/> X Qualified <input type="checkbox"/> 0 Disqualified
--------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------

Max. Tensile: 68750	Min. Tensile: 64885	Avg. Tensile 66817
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY,FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY,FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
3 SATISFACTORY,FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY,FRACTURE BASE METAL	4 FACE NA	4.

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"	Run: 12"	Position: BOTTOM	<input checked="" type="checkbox"/> X	SIDE
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Test Made At: 2120 Dana Avenue	Date: 10/20/03
Tested By: Cincinnati Gas & Electric	Supervised By: CARL GOYETTE
Certified By:	
Title: Welding Supervisor	
Date: 10/20/03	

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 437-76-5271

Test No.: 3-36

Location: CINTI-DAYTON RD YARD (C314)

Date: 7/31/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: SKIBECK

Schedule: N/A

Gang: N/A

Inspector: DAVE VANLANDINGHAM

Date: 7/31/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder: RANDY GROS

MARK: RGSB

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature: 70 F.

Weather Condition: OUTSIDE

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement: 5/32-3/16

Pipe Mfr: MAVERICK TUBE

Kind: API X52 5L

Wall Thickness: .438

Dia. O.D. 24

Wt./Ft.

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	5/32	5/32	5/32	5/32			
No. of Electrode:	E8010	E8010	E8010	E8010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:							
Dimension of Plate:							
Orig. Area of Plate in 2:							
Maximum Load:							
Tensile S/in. Plate Area:							
Fracture Location:							

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile:

Min. Tensile:

Avg. Tensile

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

Coupon

Crotch

Crotch

Side

Side

Pipe Diameters Branch:

Position:

Test Made At: CINTI-DAYTON RD YARD (C314)

Date: 7/31/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 7/31/03

SECTION 3.3
API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 274-52-8403
Test No.: 3-43

Location: 2120 Dana Avenue		Date: 9/26/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor MID WEST	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 9/26/03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder SCOTT HARBAUGH		MARK S H	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature 70	F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: LINCOLN		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.219					
Maximum Load:	16500	16000					
Tensile S/in. Plate Area:	75342	73059					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 75342	Min. Tensile: 73059	Avg. Tensile 74200
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE

Test Made At: 2120 Dana Avenue Date: 9/26/03
Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE

Certified By:
Title: Welding Supervisor *Carl Goyette*
Date: 9/26/03

SECTION 3.3 API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 290-64-3651
Test No.: 3-34

Location: 2120 Dana Avenue

Date: 7/29/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: BRYNES-AMS

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 7/29/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder TED HIPSHER

MARK T H

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.219					
Maximum Load:	17500	17000					
Tensile S/in. Plate Area:	72916	77625					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 75342	Min. Tensile: 72916	Avg. Tensile 74129
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 7/29/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Carl Goyette

Title: Welding Supervisor

Date: 7/29/03

SECTION 3.3

API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 438-53-4525
Test No.: 3-20

Location: 2120 Dana Avenue		Date: 5/28/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor: SKIBECK	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 5/28/03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder JEFFERY HOLLIER		MARK J H	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature	70 F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: LINCOLN		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Fl. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E8010	E8010	E8010	E8010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.219					
Maximum Load:	17500	17000					
Tensile S/in. Plate Area:	72916	77625					
Fracture Location:	BM	BM					

0 Procedure	X Qualifying Test	X Qualified
X Welder	0 Line Test	0 Disqualified

Max. Tensile: 75342	Min. Tensile: 72916	Avg. Tensile 74129
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4 FACE NA	4.

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"	Run: 12"	Position: BOTTOM	X	SIDE
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Test Made At: 2120 Dana Avenue	Date: 5/28/03
Tested By: Cincinnati Gas & Electric	Supervised By: CARL GOYETTE
Certified By: <i>Carl Goyette</i>	
Title: Welding Supervisor	
Date: 5/28/03	

SECTION 3.3

API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 268-74-5614
Test No.: 3-14

Location: 2120 Dana Avenue

Date: 4/24/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: MICHAELS

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 4/24/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder: DAVE HUBER

MARK: D H

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature: 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement: 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

WL/Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.219					
Maximum Load:	17500	17000					
Tensile S/in. Plate Area:	72916	77625					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 75342

Min. Tensile: 72916

Avg. Tensile: 74129

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4. FACE NA

4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM X

SIDE

Test Made At: 2120 Dana Avenue

Date: 4/24/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 4/24/03

SECTION 3.3
API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 322-42-1698
Test No.: 3-41

Location: 2120 Dana Avenue

Date: 9/23/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: C J HUGHES

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 9/23/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder: DON HUDDLESTON

MARK: H D

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature: 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement: 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D.: 12 3/4

Wt./Ft.: 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.262					
Maximum Load:	16500	17000					
Tensile S/in. Plate Area:	68750	64885					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 68750	Min. Tensile: 64885	Avg. Tensile: 66817
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 9/23/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Carl Goyette

Title: Welding Supervisor

Date: 9/23/03

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 300-56-5421
Test No.: 3-02

SECTION 3.3
API 1104

Location: 2120 Dana Avenue Date: 1-07-03

Contractor: Cincinnati Gas & Electric Sub-contractor:

Schedule: N/A Gang: N/A Inspector: N/A

Date: 1-07-03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G

Welder FRED JOHNSON MARK F J

Welding Time: 1 1/2 HR. Time of Day: 8:00AM M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A Voltage: 21 Amperage: 120/190

Make of Welding Machine: LINCOLN Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV Kind: API GRB 5L

Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.262					
Maximum Load:	15500	17000					
Tensile S/in. Plate Area:	70776	64885					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 70776	Min. Tensile: 64885	Avg. Tensile 67830
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4 FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE

Test Made At: 2120 Dana Avenue Date: 1-07-03

Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE

Certified By: *Carl Goyette*

Title: Welding Supervisor

Date: 1-07-03

SECTION 3.3

API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 275-76-8860

Test No.: 3-49

Location: 2120 Dana Avenue

Date: 10/29/03

Contractor: Cincinnati Gas & Electric

Sub-contractor BREWER

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 10/29/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder ERIC JONES

MARK E J

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.100					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.240					
Maximum Load:	16500	16500					
Tensile S/in. Plate Area:	68750	68750					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 68750

Min. Tensile: 68750

Avg. Tensile 68750

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4 FACE NA

4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM X

SIDE

Test Made At: 2120 Dana Avenue

Date: 10/29/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By: *Carl Goyette*

Title: Welding Supervisor

Date: 10/29/03

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 401-96-5470
Test No.: 3-09

SECTION 3.3
API 1104

Location: 2120 Dana Avenue		Date: 3/28/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor: MUELLER	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 3/28/03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder JOHN KINSER		MARK J K	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature 70	F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: LINCOLN		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.262					
Maximum Load:	16500	17000					
Tensile S/in. Plate Area:	68750	64885					
Fracture Location:	BM	BM					

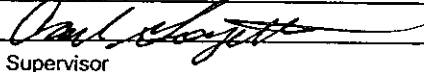
0 Procedure X Welder	X Qualifying Test 0 Line Test	X Qualified 0 Disqualified
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Max. Tensile: 68750	Min. Tensile: 64885	Avg. Tensile 66817
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3.
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE

Test Made At: 2120 Dana Avenue Date: 3/28/03
Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE

Certified By: 
Title: Welding Supervisor

Date: 3/28/03

SECTION 3.3

API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 407-86-8900
Test No.: 3-16

Location: 2120 Dana Avenue

Date: 5/7/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: MILLER

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 5/7/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder: STEVE KINSER

MARK SK

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 68 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

WT/FL 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.262					
Maximum Load:	16500	17000					
Tensile S/in. Plate Area:	68750	64885					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 68750

Min. Tensile: 64885

Avg. Tensile 66817

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4 FACE NA

4.

Tee Test

Coupon

Acceptable

Yes

No

Remarks

Crotch

X

Crotch

X

Side

X

Side

X

Pipe Diameters Branch: 12"

Run:

12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 5/7/03

Tested By: Cincinnati Gas & Electric

Supervised By: RONALD WARREN

Certified By: RONALD WARREN

Title: Welding Supervisor

Date: 5/7/03

SECTION 3.3

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 385-42-0914

Test No.: 3-47

Location: 2120 Dana Avenue

Date: 10/17/03

Contractor: Cincinnati Gas & Electric

Sub-contractor CJ HUGHES

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 10/17/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder GERALD LOCASCIO

MARK G L

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.262					
*Maximum Load:	16500	17000					
Tensile S/in. Plate Area:	68750	64885					
Fracture Location:	BM	BM					

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile: 68750	Min. Tensile: 64885	Avg. Tensile 66817
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3.
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 10/17/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 10/17/03

SECTION 3.3 API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 268-56-7050 Test No.: 3-37

Location: 2120 Dana Avenue		Date: 7/31/3	
Contractor: Cincinnati Gas & Electric		Sub-contractor: HUGHES	
Schedule: N/A	Gang: N/A	Inspector: N/A	
Date: 7/31/3	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder SCOTT MARKER		MARK X-1	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature 70	F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: LINCOLN		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.200	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.262	.262					
Maximum Load:	17000	17000					
Tensile S/in. Plate Area:	64885	64885					
Fracture Location:	BM	BM					

0 Procedure	X Qualifying Test	X Qualified
X Welder	0 Line Test	0 Disqualified

Max. Tensile: 68885	Min. Tensile: 64885	Avg. Tensile 68885
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4 FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE

Test Made At: 2120 Dana Avenue Date: 7/31/03
 Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE

Certified By: 

Title: Welding Supervisor

Date: 7/31/03

SECTION
API 110

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 236-94-9240
Test No.: 3-35

Location: 2120 Dana Avenue Date: 7/30/3

Contractor: Cincinnati Gas & Electric Sub-contractor: HUGHES

Schedule: N/A Gang: N/A Inspector: N/A

Date: 7/30/3 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G

Welder LEE (HENRY) McCLOUD MARK LHM

Welding Time: 1 1/2 HR. Time of Day: 8:00AM M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A Voltage: 21 Amperage: 120/190

Make of Welding Machine: LINCOLN Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV Kind: API GRB 5L

Wall Thickness: .219 Dia. O.D. 12 3/4 WL/Fl. 29.31 Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.262					
Maximum Load:	17500	17000					
Tensile S/in. Plate Area:	72916	64885					
Fracture Location:	BM	BM					

0 Procedure X Qualifying Test X Qualified
X Welder 0 Line Test 0 Disqualified

Max. Tensile: 72916	Min. Tensile: 64885	Avg. Tensile 68900
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE

Test Made At: 2120 Dana Avenue Date: 7/30/03

Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE

Certified By: *Carl Goyette*

Title: Welding Supervisor

Date: 7/30/03

SECTION 3.3 API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 412-37-6807
Test No.: 3-21

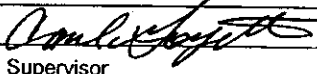
Location: 2120 Dana Avenue		Date: 5/28/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor: SKIBECK	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 5/28/03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder LANDLE McGEE		MARK LMG	
Welding Time: 1 1/2 HR.	Time of Day: 8:00AM	M. Temperature	70 F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: LINCOLN		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	WL/Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E8010	E8010	E8010	E8010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.219					
Maximum Load:	17000	17000					
Tensile S/in. Plate Area:	77625	77625					
Fracture Location:	BM	BM					

0 Procedure	X Qualifying Test	X Qualified
X Welder	0 Line Test	0 Disqualified

Max. Tensile: 77625	Min. Tensile: 77625	Avg. Tensile 77625
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4 FACE NA	4.

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"	Run: 12"	Position: BOTTOM	X	SIDE
Test Made At: 2120 Dana Avenue		Date: 5/28/03		
Tested By: Cincinnati Gas & Electric		Supervised By: CARL GOYETTE		
Certified By: 				
Title: Welding Supervisor				
Date: 5/28/03				

SECTION 3.3 API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 465-17-4215
Test No.: 3-40

Location: 2120 DANA AVE Date: 9/09/03

Contractor: Cincinnati Gas & Electric Sub-contractor: C J HUGHES

Schedule: N/A Gang: N/A Inspector:

Date: 9/09/03 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G

Welder KENNETH MILBY MARK K M

Welding Time: 1 1/2 HR. Time of Day: 8:00AM M. Temperature 70 F.

Weather Condition: INSIDE

Wind Break Used: N/A Voltage: 21 Amperage: 120/190

Make of Welding Machine: LINCOLN Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV Kind: API GRB 5L

Wall Thickness: .219 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.219					
Maximum Load:	16500	16500					
Tensile S/in. Plate Area:	75342	75342					
Fracture Location:							

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 75342	Min. Tensile: 75342	Avg. Tensile 75342
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1. SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	SATISFACTORY
2. SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	SATISFACTORY
3. SATISFACTORY, FRACTURE BASE METAL	3. FACE N/A	
4. SATISFACTORY, FRACTURE BASE METAL	4. FACE N/A	

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM

Test Made At: 2120 DANA Date: 9/09/03

Tested By: CARL GOYETTE

Certified By: *Carl Goyette*

Title: Welding Supervisor

Date: 9/09/03

SECTION 3.3 API 110.

THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 450-66-3371

Test No.: 3-44

Location: 2120 Dana Avenue

Date: 9/30/03

Contractor: Cincinnati Gas & Electric

Sub-contractor CJ HUGHES

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 9/30/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder ROBERT ALTON NOBLES

MARK B N

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.300	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.284	.219					
Maximum Load:	18000	16000					
Tensile S/in. Plate Area:	63380	73059					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 73059	Min. Tensile: 63380	Avg. Tensile 68220
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4 FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 9/30/03

Tested By: Cincinnati Gas & Electric

Supervised By: RON WARREN

Certified By: CARL GOYETTE

Title: Welding Supervisor

Date: 9/30/03

SECTION 3.3

API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 368-66-9469

Test No.: 3-15

Location: 2120 Dana Avenue

Date: 4/28/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: MUELLER

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 4/28/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder STEPHEN J PARNICKY III

MARK S P

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.219					
Maximum Load:	17500	17000					
Tensile S/in. Plate Area:	72916	77625					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 75342

Min. Tensile: 72916

Avg. Tensile 74129

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4 FACE NA

4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 4/28/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 4/28/03

SECTION 3.3 API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 413-41-3331
Test No.: 3-42

Location: 2120 Dana Avenue		Date: 9/25/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor: BREWER	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 9/25/03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder RANDY PERRY		MARK R P	
Welding Time: 1 1/2 HR.		Time of Day: 8:00AM	M. Temperature 70 F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: MILLER		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.219					
Maximum Load:	16500	16000					
Tensile S/in. Plate Area:	68750	73059					
Fracture Location:	BM	BM					

☐ Procedure
☒ Welder

☒ Qualifying Test
☐ Line Test

☒ Qualified
☐ Disqualified

Max. Tensile: 73059	Min. Tensile: 68750	Avg. Tensile 70904
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3.
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE

Test Made At: 2120 Dana Avenue Date: 9/25/03

Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE

Certified By: *Carl Goyette*

Title: Welding Supervisor

Date: 9/25/03

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 290-66-5844

Test No.: 3-52

SECTION 3.3

API 1104

Location: 2120 Dana Avenue

Date: 12/02/03

Contractor: Cincinnati Gas & Electric

Sub-contractor ENERGY INS.

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 12/02/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder KEVIN L PLYES

MARK K P

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.100					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.240					
Maximum Load:	16500	16500					
Tensile S/in. Plate Area:	68750	68750					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 68750

Min. Tensile: 68750

Avg. Tensile 68750

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4 FACE NA

4.

Tee Test

Coupon

Acceptable

Yes

No

Remarks

Crotch

X

Crotch

X

Side

X

Side

X

Pipe Diameters Branch: 12"

Run:

12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 12/02/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 12/02/03

SECTION 3.3 API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT SS# 234-92-6163 Test No.: 3-50

Location: 2120 Dana Avenue		Date: 11/19/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor: C J HUGHES	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 11/19/03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder: JEFF ROSS		MARK J R	
Welding Time: 1 1/2 HR.		Time of Day: 8:00AM	M. Temperature 70 F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: LINCOLN		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.100					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.240					
Maximum Load:	16500	16500					
Tensile S/in. Plate Area:	68750	68750					
Fracture Location:	BM	BM					

<input type="checkbox"/> Procedure <input checked="" type="checkbox"/> Welder		<input checked="" type="checkbox"/> Qualifying Test <input type="checkbox"/> Line Test		<input checked="" type="checkbox"/> Qualified <input type="checkbox"/> Disqualified	
----------------------------------------------------------------------------------	--	-------------------------------------------------------------------------------------------	--	----------------------------------------------------------------------------------------	--

Max. Tensile: 68750	Min. Tensile: 68750	Avg. Tensile 68750
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3.
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"	Run: 12"	Position: BOTTOM	X	SIDE
----------------------------	----------	------------------	---	------

Test Made At: 2120 Dana Avenue	Date: 11/19/03
Tested By: Cincinnati Gas & Electric	Supervised By: CARL GOYETTE
Certified By: <i>Carl Goyette</i>	
Title: Welding Supervisor	
Date: 11/19/03	

SECTION 3.3
P. 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 379-44-4697
Test No.: 3-17

Location: 2120 Dana Avenue

Date: 5/16/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: C.J. HUGHES

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 5/16/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder: ERNEST SEARS

MARK E7

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 67 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement: 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.200	1.100					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.262	.240					
Maximum Load:	17000	16500					
Tensile S/in. Plate Area:	64885	68750					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 68750

Min. Tensile: 64885

Avg. Tensile: 66817

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4 FACE NA

4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run:

12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 5/16/03

Tested By: Cincinnati Gas & Electric

Supervised By: RONALD A. WARREN

Certified By: RONALD A. WARREN

Title: Welding Supervisor

Date: 5/16/03

SECTION 3.3 API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT
SS# 403-23-4597
Test No.: 3-45

Location: 2120 Dana Avenue		Date: 10/14/03	
Contractor: Cincinnati Gas & Electric		Sub-contractor CJ HUGHES	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 10/14/03	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder EUGENE SEARS		MARK S E	
Welding Time: 1 1/2 HR.		Time of Day: 8:00AM	M. Temperature 70 F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 120/190	
Make of Welding Machine: LINCOLN		Size: 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV	Kind: API GRB 5L		
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.219					
Maximum Load:	16500	16000					
Tensile S/in. Plate Area:	68750	73059					
Fracture Location:	BM	BM					

☐ Procedure
☒ Welder
 ☒ Qualifying Test
☐ Line Test
 ☒ Qualified
☐ Disqualified

Max. Tensile: 73059	Min. Tensile: 68750	Avg. Tensile 70904
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4 FACE NA	4.

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12" Run: 12" Position: BOTTOM X SIDE

Test Made At: 2120 Dana Avenue Date: 10/14/03
 Tested By: Cincinnati Gas & Electric Supervised By: CARL GOYETTE

Certified By: 

Title: Welding Supervisor

Date: 10/14/03

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 437-70-7242

Test No.: 3-11

SECTION 3.3

API 1104

Location: 2120 Dana Avenue

Date: 4/14/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: BREWER

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 4/14/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder BENNY SANCHEZ

MARK B S

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.262					
Maximum Load:	16500	17000					
Tensile S/in. Plate Area:	75342	64885					
Fracture Location:	BM	BM					

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile: 75342	Min. Tensile: 64885	Avg. Tensile 70113
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4 FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run:

12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 4/14/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 4/14/03

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 436-59-8695

Test No.: 3-32

Location: CINTI- DAYTON RD YARD (C314)

Date: 7/28/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: SKI-BECK

Schedule: N/A

Gang: N/A

Inspector: DAVE VANLANDINGHAM

Date: 7/28/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder SHANE SIMON

MARK SSSB

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: OUTSIDE

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 5/32-3/16

Pipe Mfr: MAVERICK TUBE

Kind: API X52 5L

Wall Thickness: .438

Dia. O.D. 24"

WL/FL

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	5/32	5/32	5/32	5/32			
No. of Electrode:	E8010	E8010	E8010	E8010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:							
Dimension of Plate:							
Orig. Area of Plate in 2:							
Maximum Load:							
Tensile S/in. Plate Area:							
Fracture Location:							

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile:

Min. Tensile

Avg. Tensile

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

TESTED PER API 1104 SECTION 3.2.1.

Coupon

Acceptable

Yes No

Crotch

Crotch

Side

Side

Remarks

Pipe Diameters Branch

Run:

Position:

SIDE

Test Made At: CINTI-DAYTON RD YARD (C314)

Date: 7/28/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 7/28/03

4006 Vincent Station Drive
Owensboro, KY 42303
(270) 685-2525
(270) 685-2855 fax

CLIENT	ISOTOPE/RAY	Q&A LENOX	CURIES/MA	FOCAL SPOT SIZE	INTERPRETER/LEVEL	RADIOGRAPHER	JOB NO	P.O. NO	DATE
CGT PIPELINE	#R192	#118X.118	63	1154	AC. WIDDOWFIELD	AC. WIDDOWFIELD	F0284		7-28-03
WELD PROCESS	SM AW	APISL 438	24"		ISO	TIME	FILM PROCESSING	FILM TYPE	FILM TECHNIQUE
DESCRIPTION	24" WELDER QUALIFICATIONS								

FITTING, SEAM OR FITTING DESCRIPTION	FILM INTERVAL NUMBER	WELDER IDENTIFICATION	PENETRATOR		SLAG	POROSITY	POROSITY WITH TAIL	CRACK	LACK OF PEN	LACK FUSION	INTERNAL CONVEXITY	INTERNAL CONCAVITY	TUNGSTEN	MELT-THROUGH	BURN-THROUGH	CRATER-PT	OXIDATION	INTERNAL UNDERCUT	EXTERNAL UNDERCUT	ALIGNED INDICATIONS	WELD CONTOUR	MIS-MATCH	FILM ARTIFACT	VISUAL CONCERNS	FILM DENSITY	SEE REMARKS	ACCEPT	REJECT
			SIZE	QUALITY LEVEL																								
	0-1	SHANE	1-2	10/6																				2.4		/		
	2-3																							2.4		/		
	3-4	SHANE																						2.4		/		
	4-5	DODDLESTON																						2.4		/		
	5-0																							2.4		/		

End View | Side View

☐ SINGLE WALL

☒ DOUBLE WALL

P Penetrator

S Seam

L Location Marker

() OTHER

Cooper-Hest-MQS signature

Customer Representative Signature

7-28-03

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 437-68-5665

Test No.: 3-24

Location: 2120 Dana Avenue

Date: 6-16-03

Contractor: Cincinnati Gas & Electric

Sub-contractor: SKI BECK

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 6/16/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder: GERALD SPELL

MARK: G S

Welding Time: 1 1/2 HR.

Time of Day: 9:00AM

M. Temperature: 70 F.

Weather Condition: OUTSIDE

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement: 5/32-3/16

Pipe Mfr: MAVERICK TUBE

Kind: API X52 5L

Wall Thickness: .438

Dia. O.D. 24"

Wt./Ft.

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	5/32	5/32	5/32	5/32			
No. of Electrode:	E8010	E8010	E8010	E8010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:							
Dimension of Plate:							
Orig. Area of Plate in 2:							
Maximum Load:							
Tensile S/in. Plate Area:							
Fracture Location:							

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile

Min. Tensile:

Avg. Tensile

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

Coupon

Crotch

Crotch

Side

Side

Acceptable

Yes

No

Tee Test

Remarks

Pipe Diameters Branch:

Run:

Position: BOTTOM

Test Made At: 2120 Dana Avenue

Date: 6/16/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 6/16/03



COOPERHEAT

MOS

MOS (1994-1995)

4825

4006 Vincent Station Drive
Owensboro, KY 42303
(270) 685-2525
(270) 685-2855 fax

CLIENT

CG&E PIPELINE

INTERPRETER LEVEL
S. RIGGS / II

RADIOGRAPHER
AC. DEDDIE

JOB NO
284

P.O. NO

DATE
6-16-03

ISO/EN 10645

OK X LENNY

CURRENT

FOCAL SPOT SIZE

SFD

SOD

TIME

FILM PROCESSING

FILM TYPE

FILM TECHNIQUE

FB SCREENS

WELD PROCESS

SM 4W

MATERIAL SPEC.

MATERIAL DIAMETER

24"

MATERIAL THICKNESS

ASTM B

SHIM

NUA

ACCEPTANCE STANDARD

API 1104

DESCRIPTION

WELD TEST FOR GERALD SPELL

REMARKS

ASTM B

NUA

API 1104

1 1/2"

FITTING,
SEAM OR FITTING

FILM INTERVAL
NUMBER

WELDER
IDENTIFICATION

SIZE

QUALITY
LEVEL

SLAG

POROSITY

POROSITY WITH TAIL

CRACK

LACK OF PEN

LACK FUSION

INTERNAL CONVEXITY

INTERNAL CONCAVITY

TUNGSTEN

MELT-THROUGH

BURN-THROUGH

CRATER-PIT

OXIDATION

INTERNAL UNDERCUT

EXTERNAL UNDERCUT

ALIGNED INDICATIONS

WELD CONTOUR

MIS-MATCH

FILM ARTIFACT

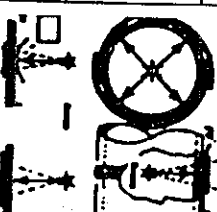
VISUAL CONCERNS

FILM DENSITY

SEE REMARKS

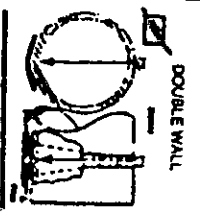
ACCEPT

REJECT

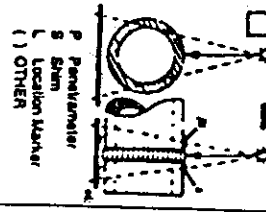


END VIEW | SIDE VIEW

SINGLE WALL



DOUBLE WALL



P Penetration
S Seam
L Location Marker
() OTHER

Cooperheat-MOS Signature

Customer Representative Signature

SECTION 3.3 API 1104

THE CINCINNATI GAS & ELECTRIC COMPANY COUPON TEST REPORT

SS# 236-23-1200

Test No.: 3-38

Location: 2120 DANA AVE

Date: 8/12/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: BYRNES

Schedule: N/A

Gang: N/A

Inspector:

Date: 8/12/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder ERIC STALNAKER

MARK E S

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: INSIDE

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.262					
Maximum Load:	17000	17500					
Tensile S/in. Plate Area:	70833	79908					
Fracture Location:							

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 79908

Min. Tensile: 70833

Avg. Tensile 75370

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1. SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

SATISFACTORY

2. SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

SATISFACTORY

3. SATISFACTORY, FRACTURE BASE METAL

3. FACE N/A

4. SATISFACTORY, FRACTURE BASE METAL

4. FACE N/A

Tee Test

Coupon

Acceptable

Yes

No

Remarks

Crotch

X

Crotch

X

Side

XX

Side

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

Test Made At: 2120 DANA

Date: 8/12/03

Tested By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 8/12/03

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 438-11-2613

Test No.: 3-19

SECTION 3
API 1104

Location: 2120 Dana Avenue

Date: 5/28/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: SKIBECK

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 5/28/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder NATHAN STELLY

MARK NS

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: MAVERICK TUBE

Kind: API GRB 5L

Wall Thickness: .375

Dia. O.D. 12 3/4

Wt./Ft. 49.61

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	8010	8010	8010	8010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.100					
Dimension of Plate:	.375	.375					
Orig. Area of Plate in 2:	.375	.340					
Maximum Load:	31200	31500					
Tensile S/in. Plate Area:	83200	92647					
Fracture Location:	BM	BM					

0 Procedure
X WelderX Qualifying Test
0 Line TestX Qualified
0 Disqualified

Max. Tensile: 92647

Min. Tensile: 83200

Avg. Tensile 87923

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4 FACE NA

4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run:

12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 5/28/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 5/28/03

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 279-66-9955

Test No.: 3-10

SECTION 3.3

API 1104

Location: 2120 Dana Avenue

Date: 4/09/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: MILLER

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 4/09/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder PAT TAXIS

MARK P T

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Fl. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.262					
Maximum Load:	16500	17000					
Tensile S/in. Plate Area:	75342	64885					
Fracture Location:	BM	BM					

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile: 75342

Min. Tensile: 64885

Avg. Tensile 70113

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4 FACE NA

4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 4/09/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 4/09/03

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 268-36-4495

Test No.: 3-13

SECTION 3.3
API 1104

Location: 2120 Dana Avenue

Date: 4/18/03

Contractor: Cincinnati Gas & Electric

Sub-contractor: GREAT WESTERN

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 4/18/03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder TOM TAXES

MARK T T

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

WT/FL 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.240	.219					
Maximum Load:	17500	17000					
Tensile S/in. Plate Area:	72916	77625					
Fracture Location:	BM	BM					

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile: 75342

Min. Tensile: 72916

Avg. Tensile 74129

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4 FACE NA

4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 4/18/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 4/18/03

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 400-13-8264

Test No.: 3-05

Location: 2120 Dana Avenue

Date: 1-10-03

Contractor: Cincinnati Gas & Electric

Sub-contractor:

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 1-10-03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder RICKY TUTTLE

MARK R T

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.000					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.219					
Maximum Load:	15500	15500					
Tensile S/in. Plate Area:	70776	70776					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 70776	Min. Tensile: 70776	Avg. Tensile 70776
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
3 SATISFACTORY, FRACTURE BASE METAL	3. FACE NA	3
4 SATISFACTORY, FRACTURE BASE METAL	4. FACE NA	4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 1-10-03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Carl Goyette

Title: Welding Supervisor

Date: 1-10-03

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# 295-72-5112

Test No.: 3-53

SECTION 3.3

API 11C

Location: 2120 Dana Avenue

Date: 12/03/03

Contractor: Cincinnati Gas & Electric

Sub-contractor MILLER

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 12/03/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder THOMAS WILCOX

MARK T W

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.200	1.100					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.262	.240					
Maximum Load:	16500	16500					
Tensile S/in. Plate Area:	68750	68750					
Fracture Location:	BM	BM					

0 Procedure

X Welder

X Qualifying Test

0 Line Test

X Qualified

0 Disqualified

Max. Tensile: 68750

Min. Tensile: 62977

Avg. Tensile 65863

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY,FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY,FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY,FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY,FRACTURE BASE METAL

4 FACE NA

4.

Tee Test

Coupon

Acceptable

Yes

No

Remarks

Crotch

X

Crotch

X

Side

X

Side

X

Pipe Diameters Branch: 12"

Run: 12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 12/03/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Carl Goyette

Title: Welding Supervisor

Date: 12/03/03

THE CINCINNATI GAS & ELECTRIC COMPANY

COUPON TEST REPORT

SS# WAYNE WILLIAMSON

Test No.: 3-25

Location: 2120 Dana Avenue

Date: 6-16-03

Contractor: Cincinnati Gas & Electric

Sub-contractor: SKI BECK

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 6/16/03

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder WAYNE WILLIAMSON

MARK W W

Welding Time: 1 1/2 HR.

Time of Day: 9:00AM

M. Temperature 70 F.

Weather Condition: OUTSIDE

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 5/32-3/16

Pipe Mfr: MAVERICK TUBE

Kind: API X52 5L

Wall Thickness: .438

Dia. O.D. 24"

Wt/Ft.

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	5/32	5/32	5/32	5/32			
No. of Electrode:	E8010	E8010	E8010	E8010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:							
Dimension of Plate:							
Orig. Area of Plate in 2:							
Maximum Load:							
Tensile S/in. Plate Area:							
Fracture Location:							

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualifying
0 Disqualified

Max. Tensile

Min. Tensile:

Avg. Tensile

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

TESTED PER API 1104
SECTION 3.2.1
SEE ATTACHED XRAY REPORT

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	SEE		
Crotch	SEE		
Side			
Side			

Pipe Diameters Branch:

Run:

Position: BOTTOM

Test Made At: 2120 Dana Avenue

Date: 6/16/03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Title: Welding Supervisor

Date: 6/16/03



4006 Vincent Station Drive
Owensboro, KY 42303
(270) 685-2525
(270) 685-2855 fax

CLIENT		INTERPRETER/LEVEL		RADIOGRAPHER		JOB NO.		P.O. NO.		DATE																		
CGATE PLATELINE		J. RIGGS		H. A. C. B. D. D. I. F. E. L. D.		150284				6-16-03																		
ISOTOPE/RAW	FOCAL SPOT SIZE	SFD	SOD	TIME	FILM PROCESSING	FILM TYPE	FILM TECHNIQUE																					
IA 192	1X.1	24.2'	23.462	3 MIN	MAN	ASA 404	SINGLE																					
WELD PROCESS	MATERIAL SPEC.	MATERIAL DIAMETER	MATERIAL THICKNESS	PENETRANT	SHIM	ACCEPTANCE STANDARD																						
GM 4W	API 5L	24"	.438	ASTM B	1/4	API 1104																						
DESCRIPTION								REMARKS																				
WELD TEST FOR WAXIDE UTILIZATION								"WLD"																				
FITTING, SEAM OR FITTING	FILM INTERVAL NUMBER	WELDER IDENTIFICATION	PENETRANT		SLAG	POROSITY	POROSITY WITH TAIL	CRACK	LACK OF PEN	LACK FUSION	INTERNAL CONVEXITY	INTERNAL CONCAVITY	TUNGSTEN	MELT-THROUGH	BURN-THROUGH	CRATER-PIT	OXIDATION	INTERNAL UNDERCUT	EXTERNAL UNDERCUT	ALIGNED INDICATIONS	WELD CONTOUR	MIS-MATCH	FILM ARTIFACT	VISUAL CONCERNS	FILM DENSITY	SEE REMARKS	ACCEPT	REJECT
TEST 0-1	GM	B	1.016																									
1-2																												
2-3																												

☐ Penetrant
☐ Gum
☐ Location Marker
☐ OTHER

☐ End View | ☐ Side View

☐ SINGLE WALL

☐ DOUBLE WALL

**THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT**

SS# 401-23-4820

Test No.: 3-06

**SECTION 3.3
API 1104**

Location: 2120 Dana Avenue

Date: 1-16-03

Contractor: Cincinnati Gas & Electric

Sub-contractor: BREWER

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 1-16-03

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder RANDY WYATT

MARK W R

Welding Time: 1 1/2 HR.

Time of Day: 8:00AM

M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: .219

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.200					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.219	.262					
Maximum Load:	15500	17000					
Tensile S/in. Plate Area:	70776	64885					
Fracture Location:	BM	BM					

0 Procedure
X Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 70776

Min. Tensile: 64885

Avg. Tensile 67830

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

3 SATISFACTORY, FRACTURE BASE METAL

3. FACE NA

3

4 SATISFACTORY, FRACTURE BASE METAL

4 FACE NA

4.

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch: 12"

Run:

12"

Position: BOTTOM

X

SIDE

Test Made At: 2120 Dana Avenue

Date: 1-16-03

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By:

Carl Goyette

Title: Welding Supervisor

Date: 1-16-03